

Institute Committee plans new weekend for spring

MIT will hold a Spring Weekend next term, April 17-20. The weekend, initiated by an Institute Committee resolution last Thursday, is in the initial planning stages.

Commenting, "No idea is out of bounds," Jerry Luebbers '64, Undergraduate Association President, stressed that the Weekend will be something different, possibly similar to Centennial Weekend. It will not be a second J.P. but will, instead, complement the Junior Prom, Luebbers added.

In support of the weekend, the Interfraternity Conference voted against sponsoring its own second term social event.

The idea for the Weekend was initiated by the Institute Committee. Among the possibilities suggested at the Incomm meeting was to have an informal affair, Friday night, possibly at an out-of-Boston country club. Suggestions for Saturday included having a train ride to the White Mountains, with music provided on the way by rock and roll bands. A second suggestion was to have a boat trip up the coast of New England.

There is a "strong possibility" that the Weekend will be subsidized by the Finance Board, according to Jerry Luebbers. This will mean that ticket prices will be at a minimum while the caliber of the entertainment and activities will not be reduced. Luebbers emphasized that this year's Spring Weekend should not have the problems of previous second term weekends, because of its originality, timing, and realistic budgeting.

Last year's Winter Weekend had a deficit of over \$1,000 while the weekend of the year before had a \$5500 deficit. Incomm will elect a seven-man weekend committee to carry out and finalize all plans. Since Incomm envisages this as an annual event, the committee is making plans to hold school-wide elections for the Spring Weekend Committee in the future.

Persons interested in running for this year's Committee should contact Betty Hendricks in Litchfield Lounge for an appointment.

Faculty committee favors Stratton giving commencement speech

Elimination of an outside speaker at Commencement is being favored by the faculty committee responsible for commencement planning. The committee proposes having President Julius Stratton deliver the main address.

The committee has also decided to eliminate the baccalaureate sermon and replace it by another event on the first day of the two-day commencement exercises.

Discussion of these moves took place at the Institute Committee meeting last Thursday, October 17.

Last year Eugene R. Black, former president of the International Bank for Reconstruction and Development, delivered the commencement address. This was followed by a five minute address and the awarding of diplomas by President Stratton.

To replace the baccalaureate sermon, a religiously oriented ceremony on the first day of commencement, the faculty committee has considered having a panel discussion or bringing in a speaker to deliver a special second address.

According to Steve Glassman, '64, the faculty is interested in airing student opinion on all of these proposals. The Institute Committee meeting, added Glassman, provided the perfect setting for such discussion.

MIT receives two contracts from government

Two research and development contracts totaling \$2,031,700 were awarded to MIT, October 15. Announcement of the award came in Washington from Senators Edward Kennedy and Leverett Saltonstall and Congressman Thomas O'Neill.

The first contract, for \$2 million, was awarded by the Air Force for improvement of inertial navigational techniques for ballistic guidance control.

The Department of Interior awarded the second contract to study the separation of salt from frozen sea water.

3 MIT men are astronauts

By Bill Byrn

Three MIT-trained men are among the fourteen who have been named by the National Aeronautics and Space Administration as new candidates to undergo training for America's man-on-the-moon program.

They are Russell L. Schweickart '56, who earned an S.M. degree in 1963, Major Edwin E. Aldrin, Jr., who received a doctorate in 1963, and Captain David R. Scott, USAF, who was awarded the S.M. and Degree of Engineer in 1962.

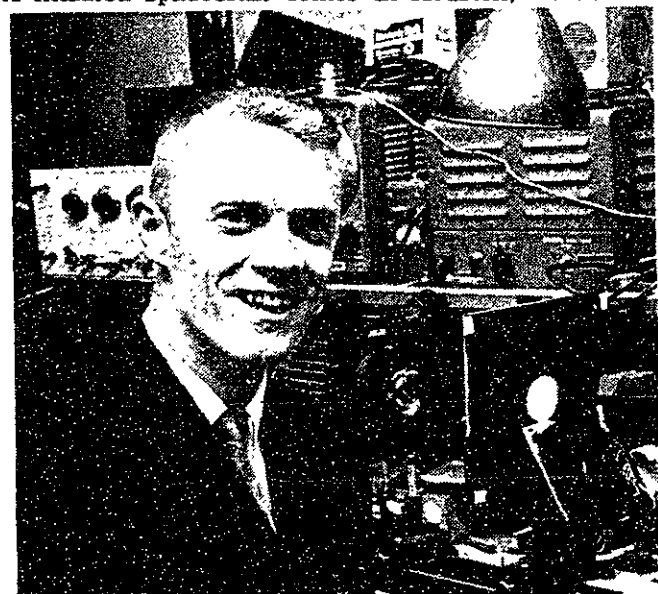
The 14 new trainees will begin a broad program of training and development in the moon-shot effort. This effort is currently directed towards landing an American on the moon by 1970. Much of the training will be done at the NASA manned spacecraft center in Houston, Texas.

Schweickart, an experienced Air Force veteran and accomplished jet pilot, is currently employed as a research scientist by the Experimental Astronomy Laboratory of the MIT Division of Sponsored Research. He graduated from MIT in 1956 with a bachelor's degree from the Department of Aeronautics and Astronautics and subsequently worked as a teaching assistant in Courses XVI.

He later served as a fighter pilot in the Air Force for five years and still flies on weekends as a captain in the Massachusetts Air National Guard. In 1963 he received a Course XVI Master of Science degree. At 27 he is the youngest of the fourteen candidates and one of two civilians in the group.

"Ever since I can remember, I've looked at the moon and wanted to go there," he told reporters in Houston after the announcement. "I think this moon program is the most exciting thing that this or any country has done in several centuries." He indicated that he hoped the moon shot program would be largely of a scientific data-gathering nature.

Major Aldrin received a doctorate in Course XVI this year for work in guidance techniques for manned orbital rendezvous.



Russell L. Schweickart takes a break from his work. Schweickart was recently selected as one of 14 new astronauts.

Frosh Council elects officers

Dick Chandler has been elected President of the Freshman Council. Other officers are: Ben White, Vice-president, and Karen Henry, Secretary-Treasurer. The elections were held at the first Freshman Council meeting, Sunday evening, October 20. The 35 representatives and their alternates are:

Setn.	Leader	Alternate
1	Spencer Sherman (AEPi)	William Vail (DKE)
2	Paul Goldstein (ZBT)	Melvin Snyder (AEPi)
3	Robert Smith (DU)	Donald Raab (DTD)
4	Gerald Tomanek (BTPi)	David Diamond (SAM)
5	James Small (Bur)	Larry Silverman (PiLP)
6	James Sandusky (DTD)	John Ryder (BTPi)
7	Douglas Benson (ATO)	Edward Kirsh (Bur)
8	Paavo Pyykkonen (EC)	William Glock (PDT)
9	Charles Kolb (EC)	Harvey Golomb (AEPi)
10	Giorgio Piccagli (Baker)	George Sacerdote (CP)
11	Donald Batchelor (SAE)	Garland Taylor (DTD)
12	Brook Landis (PDT)	Clifford Lawrence (PMD)
13	William Flor (LCA)	Paul Caragine (Baker)
14	David Howell (PDT)	Thomas Sharon (PDT)
15	Robert Bosler (DTD)	Jambes Dotson (Bur)
16	Steve Douglas (Bur)	Richard Bails (SAE)
17	Results not reported	
18	James Triant (SAE)	Neil Steinmetz (EC)
19	Stanley Liu (Apt)	Donald Hodges (DTD)
20	Hossein Askari (EC)	Thomas Newkirk (DU)
21	Stuart McLeod (SAE)	Jeffrey Wiesen (Baker)
22	Jodie Ray (DKE)	Jan Carlson (Student)
23	Alan Calavano (Bur)	William Elmer (Bur)
24	David Gorenstein (AEPi)	
25	Dudley Booth (SN)	Richard Haberman (CP)
26	Allen Landers (ZBT)	James Gruhl (Bur)
27	Kenneth Finn (AEPi)	Edward Geltman
28	Robert Baker (SAE)	Jeffrey Schoenwald
29	Stephen Marcus (Bak)	Richard Gostyla (DU)
30	Roy Gamse (AEPi)	Jonathan Sussman (SAM)
31	James Mooror (PKS)	Mike Kruger (LCA)
32	Jay Davidow (AEPi)	John Paterson (PDT)
33	David Kress (TC)	Edward Radlo (Bur)
34	Benjamin White (PLP)	Louis Offin (ZBT)
35	James Swanson (PSK)	



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Cyclotron modernized

By Bill Judnick

Modernization of the MIT cyclotron at a cost of \$583,000 has recently been completed. The improved facility will enable MIT physicists to perform a wide number of new experiments.

The year of rebuilding and improvements for the research facility of the Laboratory for Nuclear Science was financed by a \$333,000 grant from US Atomic Energy Commission, and the balance from MIT.

Laboratory staff members, working closely with MIT's Physical Plant, suggested four basic improvements: larger target areas around the cyclotron itself; better focussing of the beam of subatomic particles; expanded general research laboratories; and the addition of a modern radiochemistry laboratory.

The modernized cyclotron will be particularly useful in performing nuclear experiments at intermediate energies. It can produce 7.5 Mev proton streams, 15.0 Mev deuteron beams, and 30.0 Mev alpha particles. To handle the expanded range of experimental possibilities, the staff of the Laboratory has doubled in size.

The facility has, in the past, produced significant advances in the areas of isotope production. In the early 1940's, Professor Robley D. Evans developed the iodine-131 used for diagnosis and treatment of thyroid disorders. Professor

Evans and his group also employed radioactive iron from the cyclotron to develop ACD-1, which is now used throughout the United States to preserve whole blood.

MIT physicists will now be able to undertake new experiments that were previously limited by space considerations. One of the first that will be undertaken is time-of-flight experiments in which energies of accelerated nuclear

(Please turn to page 13)

2 political groups given Class B status

Activities Provisional Council has granted Class B status to 2 new student organizations. The Council, at its meeting last Thursday also voted in favor of the awards program proposed by the Activities Development Board.

Granted provisional Class B status were the MIT Students for Goldwater and the MIT Chapter of the Young Americans for Freedom.

Provisional Class B status entitles these groups to use the bulletin boards, booths in building 10, and other Institute facilities for a period of one year. If, at the end of one year their affairs are in order, they will become permanent Class B activities if they so desire.

An awards program to stimulate student interest in activities

and provide recognition for those groups and individuals who have made outstanding contributions to the activities at MIT was considered and voted favorably upon at the meeting. This program, not yet planned in detail, will consist of soliciting nominations from members of the MIT community, and selecting award winners by means of a screening committee.

Other matters discussed at the meeting included a progress report on the Council's forthcoming booklet on facilities available to activities. A discussion on a proposal to consolidate the information contained in various handbooks and guides currently being published by different organizations throughout the Institute was also discussed.

MIT Undergraduate Fund Drive seeks contributions totaling \$1700

The MIT Undergraduate Fund Drive has set a goal of \$1700, to be collected by October 25. The Drive is jointly administered by the Technology Community Association and Alpha Phi Omega.

Co-chairmen of the Drive are Gardner Gay '65 and John Klensin '66 of APO, and Diane Macunovich '66 of TCA. Participating charities are the World University Service and the United Fund.

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Work in psychology outlined by Teuber

By Lydia Castle

That psychology has always occupied a significant niche at M.I.T. is beyond question. But it is only within the past two years that Psychology as a discipline has become concentrated in a single core program.

In a recent interview with the Tech, Dr. Hans-Lucas Teuber, Professor of Psychology and Chairman of the Section, describes this program as a three-pronged approach which combines the physical and social sciences.

Stated very briefly, the three "prongs" are the physiological, the classical experimental, and the social-developmental branches of the field.

Physiological psychology is concerned with the brain and behavior; for instance, with the effects of brain injury or brain stimulation upon behavior. Faculty and graduate students are presently carrying out experiments dealing with removal of parts of the brain, with electrostimulation and recording, and with chemical manipulation of the brain.

Sensorimotor Function

The field of experimental psy-



The small animal in the cage held by graduate student Gerald Schneider looks like a squirrel but was recently reclassified as a primate.

—Photos by Stephen Teicher

chology, here at the Institute, is concerned largely with studies of perception and learning. Special emphasis is placed on the organization of the sensorimotor function.

Problems in the early stages of acquiring language, logic and social attitudes are probed in the social-developmental area. Some studies in this field attempt to discover the perceptual structures of early childhood.

This three-pronged approach permits each of the 15 newly arrived Ph.D. candidates to specialize in one or two of the fields which interests him most. There are graduate seminars and laboratories devoted to each of the three areas.

According to Prof. Teuber, these students are exposed, "to a rather unorthodox training." There is only one required course, the Proseminar, limited to first year graduate students. This Proseminar is a double course of considerable reading and class discussion which should fit the student for more advanced training. This subsequent training is essentially an apprenticeship experience, with an informal sequence of seminars and laboratory projects.

Three Topics

The undergraduate program in psychology is also organized around the three central topics. After completing the introductory course, the student may study a sequence of subjects, with 5 or 6 offered in each area.

In addition to the graduate and undergraduate teaching and research programs, the Psychology



Eugenia Norris, research assistant, handles stump-tailed macaque, one of several animals that she works with daily. The macaque is naturally tame in contrast to many of the other monkeys.

department sponsors a series of colloquia of guest speakers and special seminars. These are frequently taken over by distinguished visitors from abroad.

As nearly all other departments at M.I.T., Psychology often has guests from Iron Curtain countries. There is also a particularly extensive and fruitful exchange with psychologists from Oxford and Cambridge.

To facilitate the growth of Psy-

chology, the Institute undertook to reconstruct the old Cenco-Assembly Plant into the modern, fully equipped E-10 building. Prof. Marvin Goody of M.I.T.'s Architecture Dept. served as main arbiter of the architectural development, but Prof. Teuber revealed that several Psychology faculty members as well as his own wife had helped with the interior decorating!

Animal Colony

The Institute is completely air-conditioned, perhaps as much for the sake of the electro-physiological equipment and experimental animals as for the faculty and students.

Faculty offices, seminar rooms and the specialized Psychology library are located on the first floor. Laboratories for the work in normal and abnormal brain structures and experimentation on vision, hearing and tactile perception occupy the second.

On the top floor we find one of the Institute's largest animal colonies. Its inhabitants range from the stand-by rhesus-monkeys, cats, rats and mice to the very gentle stump-tailed macaque and various species of birds.

New Addition

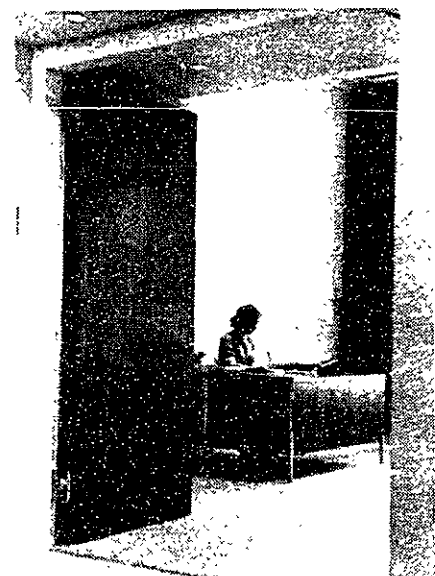
The most recent addition is an extremely rare Indonesian tree shrew (*Tupaia glis*), long thought to belong to the insectivores. Zoologists have recently promoted the tree shrews to the primate order, and experimentation is underway at M.I.T. to determine whether the animal does in fact behave like a monkey in its learning processes.

This success spectrum of activities is successful chiefly because each of the faculty members is essentially an expert in his field.

Dr. Teuber expressed gratification in the fact that so many of the older departments have been so hospitable to Psychology. The considerable overlap between the third prong (social-developmental psychology) and linguistics has led, for example, to the joint sponsorship of seminars and graduate students. Similar cooperation is taking place with regard to Philosophy and Biology, particularly in the area of neurophysiology.

Decorators remove beetles

Restyling completed in Stratton-Killian office complex



By Lydia Castle

As snug as a bug in a rug is an expression usually related to collegiate football fields. Not so at MIT. It is a well-known fact that at the Institute nothing is sacred. This apparently extends to the Corporate Offices as President Stratton's rug was found to be housing a family of carpet beetles last spring.

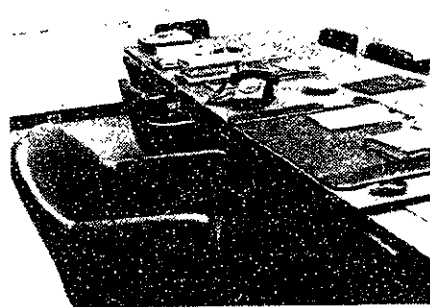
Since a remodeling job was already on the agenda, discovery of the beetles merely showed how long overdue the renovation was. Plans were drawn up by Prof. Herbert L. Beckwith, chairman of

the Architecture Department with the assistance of Richard C. Reece, of Beckwith's architectural firm. Work started on July 1.

For the following two months carpenters hammered away breaking down old walls and building new ones, and Pres. Stratton moved his office to Building 10.

Japanese Fig Tree

A bevy of typists is no longer the focal point as one enters the Offices. Beyond a pair of handsome, deeply recessed teak doors, is a cool, spacious waiting room. The waiting room has teakwood chairs upholstered in black oxide leather. The Japanese fig tree and a continuously blossoming oleander shrub have replaced the clicking of typewriters. Two gallery-like passages lead to the office of Chairman Killian or Pres. Stratton as the receptionist announces the visitor's presence



The new Stratton-Killian office complex features recently installed teak doors (left) and refurnished waiting room (right). Below is a view of President Stratton's desk.

—Photos by John C. Rylaarsdam

over a new call-director system.

The architectural design called for extensive rearrangement of the partitions within the existing space. Mr. Reece explained that the 3½ foot walls flanking the entrance, corridor were designed to give a screen of privacy for the President and the Chairman. They also conceal a coat closet. In an effort to improve working arrangements, the administrative assistants have been placed in alcoves adjacent to the main offices.

Luminous Ceiling

Chairman Killian's office is essentially the same as it has been since the days of Dr. Compton, but extensive changes were wrought in President Stratton's room. One wall has been paneled in teak veneer to match the conference table, also newly refurnished in teak. Above the table is a large luminous ceiling. Alternate switching of fluorescent lamps



permits a lighting intensity of one-third, two-thirds, or full-on. This panel, constructed of corrugated diffusing plastic perforated with tiny holes is, according to Mr. Reece, completely sound-absorbing.

It was not ascertained whether or not the beetles had a new home.

The other side of the world

Traditionally slow pace of Indian life surprises visitor

By Ron Randall

The railway crossing gate had been down for some time now as our driver pulled our bus up behind a cow-cart and killed the motor. We strained to see, but saw no train, as an ungainly tail of bullock carts, cars, lorries, tempoos, and horsedrawn tongas slowly grew behind us. Five minutes passed; ten; a quarter of an hour—and still no train in sight.

Some of the bike riders were casually skirting the gates and walking their bikes across the tracks. The patient horde of men, machines, and animals, sweltering in the hundred-degree heat, sat quietly, watching, waiting. Twenty minutes passed, then twenty-five, and still no train. When will it come?

It never did, you see, for the gates squeaked upwards at last, with about as much purpose in their motion as there had been in their prior stillness. The mo-

tors were started, the bullocks, cows, and ponies urged on, as the massive lines slowly drew away and crept across the tracks.

There was no impatience to speed up, to make up for lost time, just as there had been no annoyance at this rather routine delay. For this took place near New Delhi, and things often work out this way in India—everyone is used to it.

The traditional Indian culture is indeed a strange one to a visiting American—and yet thoughtful comparisons with our own do not always yield a condemnation of the alien. In fact, they occasionally pose some tough questions to even the staunchest upholder of the American Way.



Randall

This summer I had the rare privilege of spending two months in the land of the Maharajahs as a participant in the World University Service-YWCA Asian Seminar. Coordinated thru the international WUS organization, this experiment in international education gathered students and professors from all over the U.S. in a study-tour of Japan, Hong Kong, and India.

The trip was financed completely by the U.S. State Dept. and the individual participants, and I owe an immeasurable debt of gratitude to the Institute Committee and The Baker Memorial Committee for helping me meet my obligations and making my participation possible.

This is the first of a series of articles in which I shall try to convey the excitement of learning about a culture so fascinating and so different from our own that we cannot help but learn a great deal about ourselves.

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Forty-eight EE students elected to electrical engineering honorary

Forty-eight students were elected to the Beta Theta Chapter of Eta Kappa Nu at an election meeting Saturday.

All students eligible for the society must be electrical engineering majors. Juniors in the upper one-fifth of their class who are active in extracurricular activi-

ties may be selected. A senior must be in the upper one-quarter of his class to be eligible.

The following juniors were selected: Thomas Barnwell, William Brody, Edward Bucher, Gabriel Chang, David Dewan, Richard Diephues, Christopher Ebbe, Howard Ellis, Gilbert Falk, Donald Fredrickson, Richard Guldi, Allen Hillman, Paul Hoff, John Holzer, William Inglis, Karl Kehler, David Kettner, Manmohan Khanna, Arjeh Kurtzig, James Larsen, Jesse Lipcon, Burt Lowry, Mark Medress, Jeffrey Meldman, Matt Mleziva, Edwin Moxon, Steven Rosenberg, Richard Sherman, Gregory Shaffer, Robert Thomas, Richard Tsien, Clifford Weinstein, Patrick Winston.

The following seniors were elected: Walter Anderson, Armand Chinchillo, Ron Cordover, John Dressler, Giovanni Franzl, John Gallant, Peter Kloumann, Warren Littlefield, Ashok Malhotra, Thomas McNabb, Steven Schlosser, Thomas Seay, Richard Sorbello, Gordon Taylor, Richard Townsend.

The president of the society is Lansing Hatfield '64. Other major officers for the fall term are Andrew Ackerkirchen '64, Vice-President; Richard Carpenter '64, Treasurer; Dave Evans '64, Recording Secretary; Richard Nixon, Corresponding Secretary; Chet Ebner, Bridge Correspondent.

Nominations close Friday

Voting for JP Queen set for Oct. 28-Nov. 1



Jane Cooper



Pat Carr '65



Maureen Malbeaus



Diane Harman



Mary Walsh



Lynne Van Deane



Dori Pelkus '67



Donna Appgar

Dean Burchard returns from Germany

Professor John E. Burchard, Dean of the School of Humanities and Social Science, has recently returned from a two-month trip to West Germany, and is currently visiting California. Dean Burchard was invited to Germany to gather information on the current state of building and architecture in Germany today.

With his wife, he drove over

5,000 miles and visited every major city and site of architectural development in West Germany, taking many photographs and recording data to be used in critical writings. Dean Burchard has already completed similar projects on architectural development in other nations throughout the world, including Australia, Japan, Italy and Venezuela.

Graduated from MIT with the degree of bachelor of science in architectural engineering in 1922, and receiving his master's in 1925, Dean Burchard has since become one of the best-known architectural critics in the world.

He has written extensively, for

both domestic and foreign publications, and was consulting editor of "The Architectural Record" from 1958 to 1961, in addition to being the consulting editor on architecture for the Encyclopedia Britannica.

Dean Burchard has been a consultant at many leading universities throughout the United States.

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Tech Square House is open Monday through Friday from 7:30 A.M. to 8:00 P.M. Park free right at the door in the beautiful new Technology Square complex.

Why not make that date tonight?

TECH SQUARE HOUSE

Politics

During the past month, several new political groups have been formed on campus. Reflecting a full range of political opinion, they are (left to right) the Socialist Club, Young Americans for



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Freedom, and Students for Goldwater.

These new groups probably signify nothing more than a ripple of political interest from the wave of enthusiasm generated by the 1964 election. But perhaps they are also an indication that students here are taking a greater interest in the social and political implications of their work.

Unfortunately, many students and technologists feel that the burden of ethical and political decisions can be tossed upon the politician's back. But in reality they do not have this option.

Technologists bear a responsibility for involvement in social problems because 1) They are trained to tackle complex problems, and social problems are usually very complex. 2) They understand the social implications of scientific advances. 3) They are there by default in some areas such as arms control, where few other disciplines have expressed interest. Moreover by the mere fact of working on a project, the technical leader commits himself. Implicitly he is saying that either 1) in the long run he feels that this project will do more good than harm, or 2) he is a scoundrel.

Do your share

There is one way for all MIT students, regardless of political opinion, to discharge some of their social responsibility.

That way is to contribute to the annual undergraduate Charities Drive, run by TCA and APO.

The charities that have been chosen for aid are worthy of wholehearted support. They are the World University Service and the United Fund of Greater Boston.

MIT students can be as generous as any others when they choose to be, and we hope they will join to make the Charities Drive a great success.

Inside Incomm

Opportunities that go begging

by Jerry Luebbers, UAP

MIT is not a school of social incompetents. The reader of traditional American literature will, of course, disagree rather strongly, as will random handfuls of girls dating "ivy leaguers." Although those who have come in direct contact with the MIT social scene generally leave impressed, the fact remains that social life is not the student axis at MIT.

As it does play a distinctly secondary role, great care must be exercised to guarantee the place of social life. Living groups fill one requirement and help to preserve sanity on a week-to-week basis.

Junior Prom provides a social highlight in the first term, and the proposed spring weekend will do the same for the second term. I feel it is the obligation of student leaders to make available to the MIT campus a diverse selection of social opportunities.

This does not include dragging reluctant Don Juans from their studies, nor, on the other hand,

does it mean a party catered to the party set.

The social obligation implies the responsibility for supplying a social calendar that appeals to the greatest possible number of MIT students. It further obliges the sponsoring groups to promote attendance and ensure the success possible only with a high turnout.

This leads naturally to the topic of deficit financing. If an investment of \$2000 of Finance Board funds succeeds in lowering the ticket cost at no sacrifice to the quality of the event and enables an additional 200 couples to attend, then the money has been well spent. A successful weekend is good public relations, but, more significantly, it is a healthy addition to the MIT campus.

It is for this reason that the Institute Committee has advanced the plans outlined elsewhere in this issue, and I for one am confident it will be a boon to the MIT community.

Kibitzer

By Alan Rinsky

No partnership can consistently make the best use of their cards on defense. Nevertheless, a good play can often get more from the cards than appear to be in them.

A player may attempt to gain tricks by deceiving his opponent with a bid or a play of the cards. (Deception by a manner is dishonest).

Leading the Jack from the top of a suit in dummy toward the singleton King in your hand is one of the oldest forms of deception. You want to convince the player on your right that you are finessing for the missing Ace and Queen and that he should not play his Ace so his partner will win with the Queen.

A good defender will not indiscriminately lead away from an Ace since it may give declarer an extra trick.

North
♠ K J 9
West
♠ A 8 7 3
South
♠ 6 5 2
East
♠ Q 10 4

In the above situation, leading the 3 of ♠ may induce South to play the Queen or 9 from dummy, thinking that West would not lead from an Ace. If South finesses twice under this deception, he will lose all the tricks in the spade suit.

The bidding:
West North East South
Pass 1♥ Pass 1 N.T.
Pass 3 N.T. All Pass
West led the 10♣.

Three No-Trump is a cold contract. Five heart tricks, three spades, and the Ace of Clubs can be taken off the top.

North
♠ K Q 2
♥ A Q 10 8 6
♦ Q J 4
♣ A J
West
♠ 9 7 4
♥ 7 5 4 2
♦ A 8
♣ K 10 9 8
East
♠ 8 6 5 3
♥ J 9
♦ K 3 2
♣ Q 4 3 2
South
♠ A J 10
♥ K 3
♦ 10 9 7 6 5
♣ 7 6 5

But declarer does not see the East and West hands and is concerned that the Jack or Nine of Hearts may take a trick if they are guarded enough times.

After winning the second Club lead with his Ace, South leads dummy's Six of Hearts and East, without flinching, follows with his Jack (!) and South wins with his King. This, convinced declarer that West had the Nine and if the Jack was a singleton, the Nine was guarded enough times to take the fifth heart trick. Therefore, South led a second heart and finessed dummy's Eight and lost to East's Nine.

The opposition then took two diamonds and two club tricks for down two.

Had East played his Nine instead of his Jack of Hearts, declarer may have suspected East for the Jack-Nine doubleton and would have dropped the Jack with a second heart lead and run the suit.

Letters to The Tech

Nuts!

To the Editor:

I speak as one totally indifferent Hot (or cold) Nuts and in comment on a letter to The Tech concerning Hot Nuts in the October 16 issue, by Mr. Damian Kulash.

Mr. Kuslosh (sic) casts disarming reflections on Hot Nuts, Dekes, people who listen to Hot Nuts, and people who want to listen to Hot Nuts, and implies immaturity in those of the latter three categories, and perhaps in those of the first also.

Mr. Kuslosh (sic) seems to desire to bring about, through his letter, a censorship of Hot Nuts, Dekes, people who . . . etc., and in this desire exhibits a failure to understand that a very basic part of the makeup of the social animal is a love for vulgarity, a love for that which is in danger of being taken away, and a love for that of which it is said there should be no love.

These loves are not immature; they are normal. Mr. Kaluch (sic) in failing to recognize this, displays an ideological outlook that exemplifies an immaturity more serious than that with which he tries to color Hot Nuts, Dekes, people who . . . , etc.

With apologies to Mr. Kulash, Bill Bennett '66

Students steam as Burton burns

To the Editor:

Every day it "snows" at Burton House. The "snow" I speak of is large quantities of ash, ranging from fine white powder to large black flakes an inch across. It sifts into rooms and litters the ground continually.

The source of this plague is Burton House's antiquated incinerators. Consisting of nothing more than a burning pit and chimney, they create a terrific draft which blows half the trash right through the single large-mesh screen at the top of the chimney, and often while it is still in flames.

Modern incinerators employ a gas-fired burner to completely consume the rubbish, and controlled draft to keep it where it belongs.

Recently a large piece of trash was sucked up and jammed in the middle of the chimney of the incinerator in the fourth wing. The hot smoke was forced out the access door in the porter closet on the first floor, and triggered an automatic sprinkler alarm.

I understand that the Institute pays fifty per fire truck, and since six trucks responded, that means at least \$300 was lost on this false alarm.

Perhaps this will give additional evidence to the authorities of our false economy of maintaining such obsolete, objectionable, and dangerous facilities.

Wade Chandler '66

Fall Art Show selection questioned

To the Editor:

May I enter my protest as to the manner in which the recent MIT Fall Art Show was run? Many amateur artists entered their pictures and went to a great deal of trouble to abide by specific instructions as to having their work properly framed for showing, etc.

Nothing was said about being judged and no panel of judges

was announced. Without any explanation many were turned down and denied the privilege of having any of their work shown.

Why were three and four pictures of some people shown and put up for sale, whereas many others who submitted several works of art did not have even one piece accepted? Would it not have been better to accept one thing from each applicant?

If it was meant to be an amateur show and if it was meant to encourage art at MIT, it accomplished just the opposite. It frustrated and disappointed so many people and their friends who had looked forward to seeing their work.

Let us hope that, in the future, such shows will be managed in a more democratic manner!

Rose S. Hurvitz
Document Room, RLE

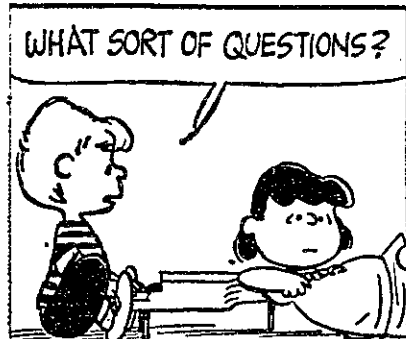
Library record collection limited

To the Editor:

It has come to our attention that the MIT Music Library is devoid of "semi-classical" and "popular" music. This is truly a sad situation inasmuch as many Tech students are unable to afford these records, and WTBS is the only local station showing a response to phoned-in requests. Hence, a significant group at MIT is forced to live in ignorance of modern innovations in the musical field.

We hope something can be done to rectify this deplorable situation.

Edmund Notzon '66
George Hadley '65



Peanuts appears daily and Sunday in the Boston Herald.

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HAPPINESS CAN'T BUY MONEY

With tuition costs steadily on the rise, more and more undergraduates are looking into the student loan plan. If you are one such, you would do well to consider the case of Leonid Sigafos.

Leonid, the son of an unemployed bean gleaner in Straightened Circumstances, Montana, had his heart set on going to college, but his father, alas, could not afford to send him. Leonid applied for a Regents Scholarship, but his reading speed, alas, was not very rapid—three words an hour—and before he could finish the first page of his exam, the Regents had closed their briefcases crossly and gone home. Leonid then applied for an athletic scholarship, but he had, alas, only a single athletic skill—picking up beebees with his toes—and this, alas, aroused only fleeting enthusiasm among the coaches.

And then—happy day!—Leonid learned of the student loan plan: he could borrow money for his tuition and repay it in easy installments after he left school!

Happily Leonid enrolled in the Southeastern Montana Col-



lege of Lanolin and Restoration Drama and happily began a college career that grew happier year by year. Indeed, it became altogether ecstatic in his senior year because Leonid met a coed named Anna Livia Plurabelle with hair like beaten gold and eyes like two sockets full of Lake Louise. Love gripped them in its big moist palm, and they were betrothed on St. Crispin's Day.

Happily they made plans to be married immediately after commencement—plans, alas, that were never to come to fruition because Leonid, alas, learned that Anna Livia, like himself, was in college on a student loan, which meant that he not only had to repay his own loan after graduation but also Anna Livia's and the job, alas, that was waiting for Leonid at the Butte Otter Works simply did not pay enough, alas, to cover both loans, plus rent and food and clothing and television repairs.

Heavy hearted, Leonid and Anna Livia sat down and lit Marlboro Cigarettes and tried to find an answer to their problem—and, sure enough, they did! I do not know whether or not Marlboro Cigarettes helped them find an answer; all I know is that Marlboros taste good and look good and filter good, and when the clouds gather and the world is black as the pit from pole to pole, it is a heap of comfort and satisfaction to be sure that Marlboros will always provide the same easy pleasure, the same unstinting tobacco flavor, in all times and climes and conditions. That's all I know.

Leonid and Anna Livia, I say, did find an answer—a very simple one. If their student loans did not come due until they left school, why then they just wouldn't leave school! So after receiving their bachelor's degrees, they re-enrolled and took master's degrees. After that they took doctor's degrees—loads and loads of them—until today Leonid and Anna Livia, both aged 87, both still in school, hold doctorates in Philosophy, Humane Letters, Jurisprudence, Veterinary Medicine, Civil Engineering, Optometry, Woodpulp, and Dewey Decimals.

Their student loans, at the end of the last fiscal year, amounted to a combined total of nineteen million dollars—a sum which they probably would have found some difficulty in repaying had not the Department of the Interior recently declared them a National Park.

© 1963 Max Shulman

You don't need a student loan—just a little loose change—to grab a pack of smoking pleasure: Marlboros, sold in all fifty states in familiar soft pack and Flip-Top box.

IFC Blood Drive planned; to take place Wednesday, Nov. 20

The Inter-Fraternity Conference will sponsor a blood drive November 20, 10:45 am to 4:45 pm in Kresge Auditorium.

As a public service project of the IFC, the blood will be donated to the New England Hemophilia Association. The drive will be conducted with the joint cooperation of the Cambridge Chapter of the American Red Cross, Massachusetts General Hospital Blood Bank, and the Children's Hospital Blood Bank.

According to Chip Hatfield, '64, chairman of the drive, this will be the largest blood drive for the Hemophilia Association ever held in Boston.

THE HIGHWAYMEN

SATURDAY, OCT. 26
Kresge 8:30 P.M.
Tickets in Building 10
\$2.00 \$2.50

Fire scare at McCormick



Four fire engines and an ambulance answered a false alarm at McCormick Hall 11:55 Monday evening. According to the attendant, the alarm, sounding on the fourth floor of the dormitory, was due to faulty wiring.

Colodny first McCormick president

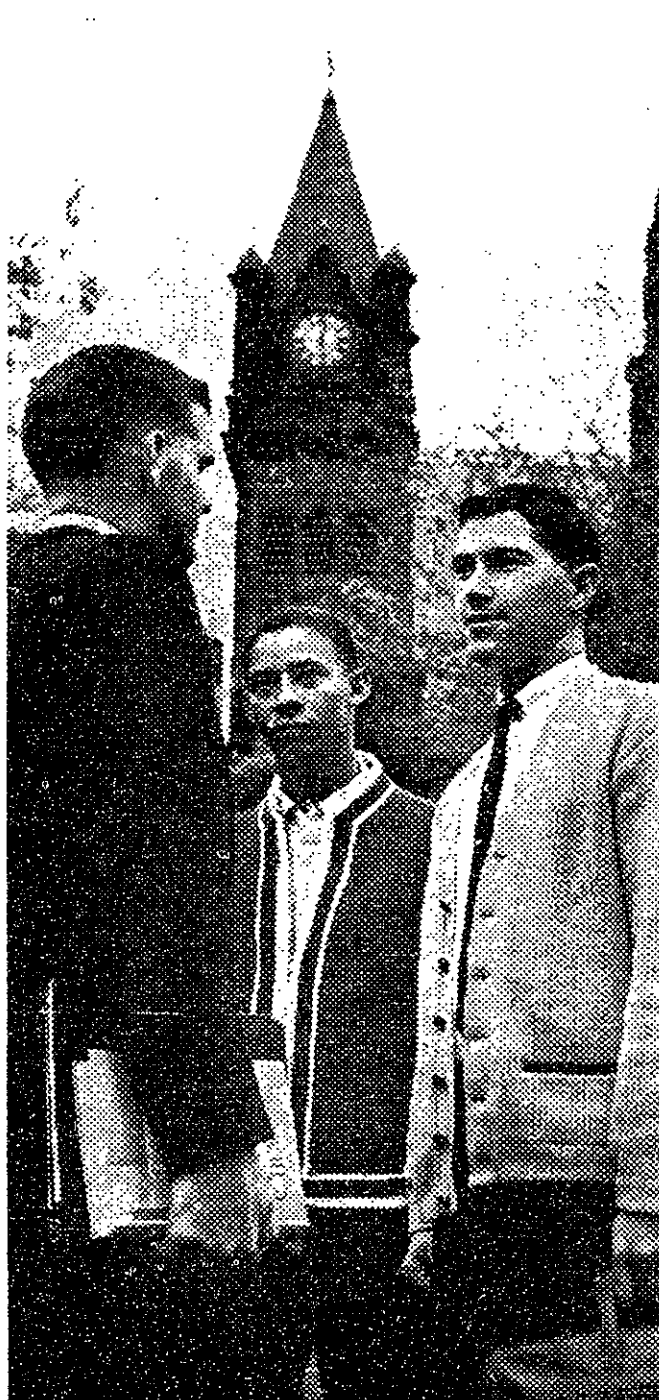
Susan Colodny '65 is the first president of McCormick Hall, the new women's dormitory. Other officers are Janet Ramanovich '66, vice-president and treasurer; and Priscilla Marrs '65, secretary.

In addition the following floor chairmen were elected: Susan Henley '66, Elaine Ackles '67, Ruth Beckley '67, Myrna Simon

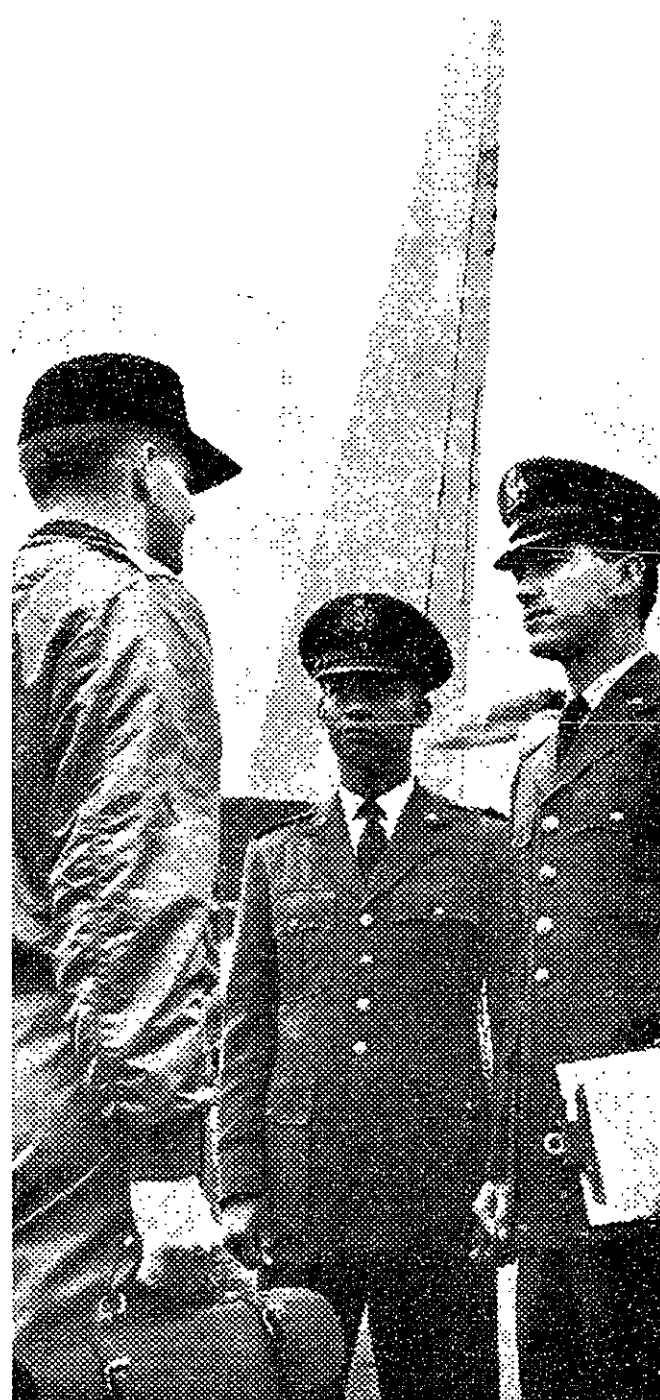
'67, and Linda Mammon '67. Elections took place October 15.

According to Sue Colodny, her major task as president will be to help girls in the dorm adjust to the new dormitory and to the Institute.

Presently ninety girls reside at McCormick Hall.



Pardon me if I sound as if the executive position I've landed deals with the whole future of the world.



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How can you get started? For many, the best way is through Air Force ROTC. But if you missed out on AFROTC, or if there's no unit on your campus, you can still apply for Air Force Officer Training School. This three-month course leads to a commission as a second lieutenant in the United States Air Force.

For more information about Air Force OTS, see your local Air Force representative.

U. S. Air Force

GENERAL  ELECTRIC

THE HIGHWAYMEN

SATURDAY, OCT. 26
Kresge 8:30 P.M.
Tickets in Building 10
\$2.00 \$2.50

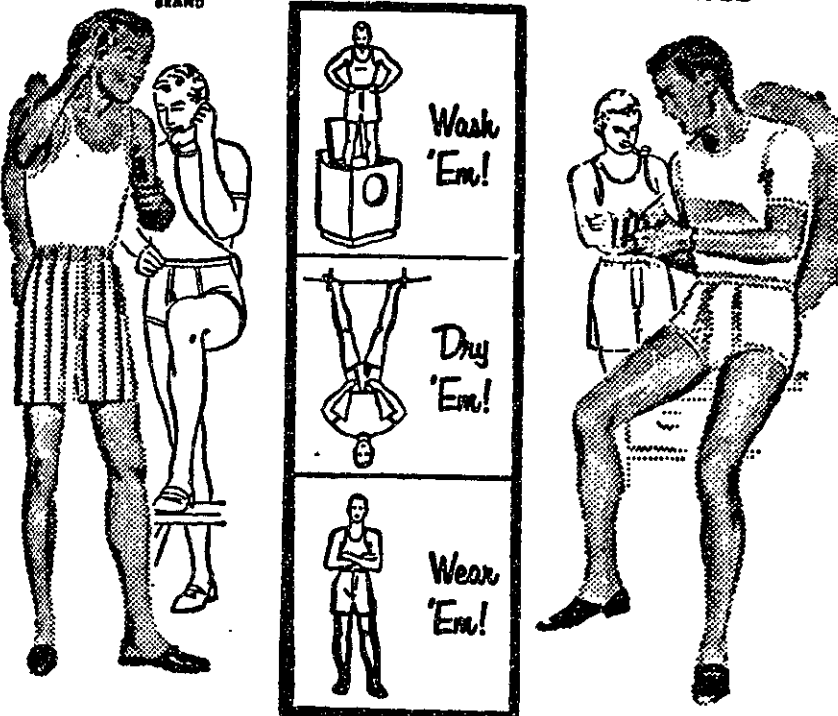
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THE TECH COOP

College World

Protests over Alabama student oath lead to modification for newspaper

By Toby Zidle

It used to be that once a student passed admission requirements and paid his tuition and other fees he could register for classes. Some schools are now adding other regulations. As a prerequisite for registration at the University of Alabama, for example, students must sign the following oath:

"As a student at the University of Alabama during the 1963-64 Regular Session, I recognize the necessity for the continuation of stringent regulations governing student conduct during this period of potential crisis, and I hereby agree to abide by all such regulations as the University of Alabama authorities may deem necessary for the maintenance of the institution's academic integrity and to insure maximum personal safety and security of all concerned.

"In keeping with the finest traditions of the University and with the full knowledge and understanding of the necessity for this action, I pledge to refrain from any conduct which would in any fashion contribute to disorder. I shall at all times conduct myself in such manner as to avoid all activities which would be in conflict with the high standards expected of University students.

"I certify that I do not have in my possession firearms or other types of weapons, and further certify that I shall avoid having such in my possession for the duration of these special security measures.

"I will refrain from gratuitous or non-gratuitous service with the news media in matters expressly touching on race relations and the reporting of or photography of Negro students or Negro applicants at the University. I understand, however, that this in no way prohibits me from serving in the capacity of reporter or photographer in fields other than those mentioned above.

"Furthermore, I understand that a breach of this pledge on my part which is found to be in violation of the high standards set for university students may subject me to severe disciplinary measures."

The oath, which was put into effect for the first time this year, drew considerable criticism—particularly with regard to the "reporting or photography" paragraph. The editor of the *Crimson-White*, Alabama's school newspaper, signed the oath under protest.

Student reaction, furthermore, was strong enough to bring about a modification of the oath. Added was the phrase, "No prohibitions on writing herein contained apply to the *Crimson-White*, the University newspaper."

Oath at Columbia

The signing of pledges is not a custom being limited to southern colleges. Freshmen at Columbia are being requested to sign an academic integrity statement as a first step toward the establishment of an honor code and the elimination of proctors in exams. The move is being sponsored by a group called the Commission on Academic Integrity, which was formed last year with the approval of the dean's office.

An honor system for Columbia has been under consideration for several years. The major obstacle has always been that students were unwilling to sign a statement that required them to report any infractions of the system.

The statement now being circulated has a provision that makes the student aware of its being a violation of the code to "fraudulently advance one's academic status or knowingly be a party to another student's failure to maintain academic integrity."

New College (Literally)

Just as new college regulations are frequently being established, new colleges are, themselves, rapidly being created. One of the latest of these is literally The New College.

Located in Sarasota, Florida, The New College has just an English historian Dr. Arnold Toynbee. The college which will open next fall with 100 students will be operated experimentally under an 11-month school year and with a three-year degree program.

The announced goal of the college is to give "personal education of a limited number of highly motivated and capable students." Teaching will be by seminar and tutorial system. The school, which will offer programs in the humanities and sciences, will be coeducational.

And on the West Coast

Not to be outdone by Florida, new colleges are being opened in

California, too. Hable usted español? If you do, then you may be eligible to attend the first Spanish-speaking college in the United States, Covell College in Stockton, California.

Covell, which opened in September, proposes to help Latin American students overcome the language and cultural barriers that often hinder a foreign student's work. Enrollment will be limited to 150 Latin Americans and 100 North Americans.

The school will emphasize math-science, business administration, and teacher training.

The Drumheller Fountain

The University of Washington *Daily* asks: "The on-again-off again Drumheller fountain—why is it what when it is?"

And answers: "It is on when it is because it's supposed to be on, every day from 10 a.m. to 11 p.m. Occasionally, of course, it's off during regular hours."

The *Daily* decided to investigate why the fountain was sometimes off during regular hours and suggested that perhaps the wind was blowing. "When the wind is blowing, a clever little mechanism automatically shuts off the water to protect the hapless lower-campus dwellers who carry only slide rules and books—never umbrellas."

But then the fountain was sometimes off when the wind was not blowing. Why?

The *Daily* turned to one of the deans for an answer. Replied the dean, "I thought it might have been for swimming."

After consulting a number of professors and secretaries, The *Daily* finally found one professor who was in charge of the Hydraulics Laboratory. The Hydraulics Lab maintains the pumps for the fountain and uses the fountain water for its experiments, he reported, but the lab doesn't have to shut down the fountain to use the water.

The pumps circulate the water, re-using water already in the fountain. The water pumped away by the lab is replaced as it is used.

After some questioning, the Department of the Physical Plant stated that "somebody down there" has permission to cut off the fountain at will in order to conduct experiments.

Who has permission? Not Chemistry. Certainly not Pharmacy. Possibly Chemical Engineering. But whoever it is, isn't talking.

Fin Board vacancy; seniors may apply

The Executive Committee of the Institute Committee will interview seniors interested in filling the vacancy on the Financial Board Sunday, October 27, at 6:30 pm in Litchfield Lounge, 50-110.

Persons interested should contact Steve Miller, Financial Board Chairman before that time. Election will take place at the October 31 Institute Committee meeting.

The vacancy was created when Lee Davis '64 resigned his position.

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Dramashop gives Ionesco and Carlinio one-acts

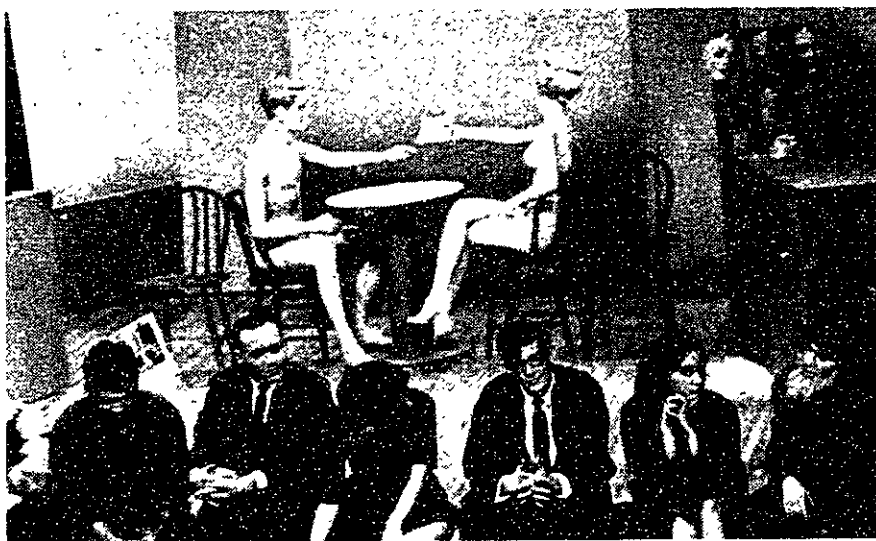
By R. L. Bringham
Dramashop's Friday "Evening of One-Acts" presented two plays, the first an Ionesco of more than usual interest. The second play, authored by Lewis John Carlinio, proved a juvenile vehicle for a paucity of interesting ideas.

The presentation of Ionesco's 'Victims of Duty' was the result of some careful and tasteful cutting done by director Steve Schuman. Mr. Schuman seems to have been unusually adept at providing for his cast's limitations.

VICTIMS OF DUTY by Eugene Ionesco; Directed by Steve Schuman; with Michael Jacobs, Wilma Sandier, Leonard Lynch, and David Liroff. Also, **OBJECTIVE CASE** by Lewis John Carlinio; Directed by Joseph Morlan; with John Sowle and Pamela King. Both plays the products of MIT Dramashop; Friday, Oct. 18 in Kresge Little Theater.

The play is characterized by the Ionesco habit of bringing supposed facets of modern life to the level of the ridiculously unsubtle. Here, as usually, this is accomplished through a sketchy enormity of concept and of obvious inference. As a result, almost every line of the play offers a humorous, if often literally bogus, aphorism on the contemporaneous. The very unsubtle, driving repetition for which Ionesco is famous was largely disposed of in Schuman's condensation.

The action of the play seemed splattered with particulate refer-



The Dramashop company holds a bull session with the audience after the one-acts last Friday. In the background is the set from Ionesco's 'Victims of Duty.' —Photo by William Park

ences to topics of elementary psychological discussion. It seems to me that this splattering could have been done in a fashion less injurious to the play's coherency.

The play deals principally with Ionesco's own search for something new in the theater. Although this interesting approach adds to the interest of 'Victims of Duty,' it is also, I think, a contributing factor to Ionesco's over-use of juvenile props which accomplish nearly nothing. One example of such an additive in the mysterious and silent 'Lady.' (Those interested in Ionesco's opinions regarding the role and rationality of imagination in the modern theater are referred to the Tulane Drama Review, Winter 1960 edition).

As for 'Objective Case,' considerable credit is due Mr. Joseph Morlan for translating Carlinio's occasional interesting ideas from their dormancy in a high-school-

ish script, at least into, in Mr. Morlan's words, "a theater experience." No directing talent, however, could have rendered John Carlinio's ribaldry even to the level of the Freudian pseudo-satire present in Ionesco's 'Victims of Duty.'

Let it be noted that during a post-performance critical discussion, both cast and directors defended themselves admirably before a rather carelessly opinionated audience.

Last and incidentally, a little forethought (and perhaps the selling of tickets) could have easily eliminated the upright thirty-minute wait foisted upon the audience as a precedent to the plays themselves. The idle time was not actually so offensive as the little grey man who insisted upon shuffling back and forth between crowd and empty theater, repeatedly locking the door behind him.

Movie Schedule

Wednesday, October 23 through Tuesday, October 29 (Unless otherwise stated the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 A.M.)

ASTOR—'In the French Style,' 9:40, 11:40, 1:40, 3:40, 5:40, 7:40, 9:40; Sunday, 3:10, 5:10, 7:10, 9:10.

BEACON HILL—'Fantasia,' 9:00, 11:10, 1:20, 3:30, 5:40, 7:50, 10:00.

BOSTON CINERAMA—'How the West Was Won,' 8:30 matinees Wednesday, Saturday 2:00, Sunday 1:00, 4:45.

BRATTLE—The Comedie Francaise in Beaumarchais' (The Marriage of Figaro (the play, not the opera). Starting Sunday: ('Candide' (new French film). Shows daily 5:30, 7:30, 9:30; matinees Sat. and Sun. at 3:30.

CAPRI—'The Ladies of the Field,' 10:30, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00, Sunday, 1:25, 3:20, 5:20, 7:20, 9:20.

CINEMA—'Lord of the Flies,' 2:20, 4:15, 6:07, 8:00, 10:00.

COOLIDGE CORNER—'3 Fables of Love,' 2:35, 9:20, Sat. & Sun., 3:30, 6:20, 9:20; 'Maid for Murder,' 1:00, 7:45, Sat. & Sun., 2:00, 4:45, 7:45.

EXETER—'Murder at the Gallop,' 2:20, 4:10, 6:00, 7:45, 9:35. Starting Saturday: 'Heavens Above,' 2:15, 4:30, 6:45, 9:00.

GARY—'The Leopard,' 10:00, 12:45, 3:30, 6:15, 9:00; Sun., 1:00, 3:45, 6:30, 9:15.

HARVARD SQUARE—('Carry On Regardless,' 3:25, 6:30, 9:45; ('Get On With It,' 1:45, 5:00, 8:05. Sunday-Monday Tuesday: ('The Haunting,' 1:20, 5:25, 9:35; ('The Four Days of Naples,' 3:20, 7:30.

KEITH MEMORIAL—'The Running Man,' 11:10, 2:40, 5:05, 9:35. Sun., 2:35, 5:55, 9:15; 'The Gun Hawk,' 9:35, 1:00, 4:30, 7:55, Sun., 1:00, 4:15, 7:35.

LOWE'S ORPHEUM—'The V.I.P.s,' 10:15, 12:20, 2:40, 4:55, 7:10, 9:35; Sunday, 1:00, 3:00, 5:05, 7:20, 9:40.

LSC—'The Virgin Spring,' Oct. 25, Room 10-250, 6:30, 9:00; 'Carousel,' Oct. 26, Room 10-250, 5:15, 7:30, 9:45; 'Fragment of an Empire,' Oct. 27, Room 10-250, 6:30, 9:00.

MAYFLOWER—'L-Shaped Room,' 11:00, 2:20, 5:40, 9:00, Sun., 2:20, 5:45, 9:00; 'Beauty and the Beast,' 10:00, 1:15, 4:35, 8:00, Sun., 1:20, 4:40, 8:00.

MUSIC HALL—'Cleopatra,' 2:00, 8:00.

PARAMOUNT—'The New Kind of Love,' 1:35, 4:05, 6:35, 9:05.

PARK SQ. CINEMA—'8½,' 2:15, 4:30, 7:00, 9:30.

PILGRIM—through Oct. 28, 'Twice Told Tales,' 10:55, 2:10, 5:30, 8:55, Sun., 2:20, 5:40, 9:05; 'Girl in Black Stockings,' 9:35, 10:55, 4:15, 7:40, Sun., 1:05, 4:25, 7:45.

SAXON—'Irma La Douce,' 11:30, 2:00, 4:30, 7:00, 9:30.

UPTOWN—'L-Shaped Room,' 1:00, 5:10, 9:20; 'The Caretakers,' 11:15, 3:25, 7:35, Sun., 3:20, 7:35.

WELLESLEY COMMUNITY PLAYHOUSE—'Mutiny on the Bounty,' 7:45, matinees Wed. & Sat. at 2:00. Starting Sunday: 'The Great Escape,' 7:45, Sun. continuous beginning at 4:45.

Theatre Schedule


CHARLES PLAYHOUSE—'The Hostage,' 8:30.

HOTEL BOSTONIAN PLAYHOUSE—'The Bald Soprano,' and 'The Dock Brief,' Wed. 7:30, Fri. & Sat. 7:00, 9:30, Tues.-Thurs. & Sun. 8:30.

IMAGE—'Antigone,' Sat. 7:00, 9:00, Wed.-Fri. 8:30.

SHUBERT—'Black Nativity,' 8:30, Fri. 7:00, 9:30, matinee Sat. 2:30. Starting Monday: 'One Flew over the Cuckoo's Nest,' opening night 8:00, other evenings 8:30.

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"Carry On Regardless"
3:25, 6:30, 9:45
"Get On With It"
1:45, 5:00, 8:05

Sun.-Mon.-Tues.
"The Haunting"
1:20, 5:25, 9:35
"The 4 Days of Naples"
3:20, 7:30

BRATTLE SQ. TR 6-4226

The Comedie Francaise in Beaumarchais'
"The Marriage of Figaro"
(The play, not the opera)

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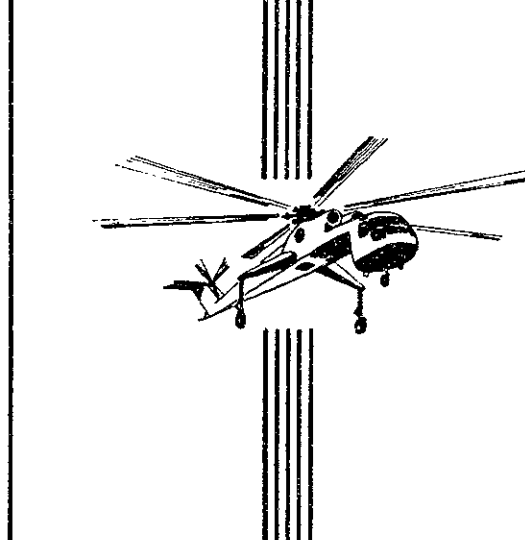
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Critic's Choice

Visconti's cut 'Leopard' nevertheless seeable

By Gilberto Perez-Guillermo

Luchino Visconti, like Bresson and Mizoguchi, is one of those directors of international reputation whose work is little known in this country. 'Obsessione' (1942) initiated neorealism, and 'La Terra Trema' (1948) is regarded by many as the greatest work in that movement, but these films have never been shown in the U.S., and probably never will be (the Museum of Modern Art had announced a showing of 'La Terra Trema' during the New York Film Festival, but it didn't take place). What has been shown is a mutilated 'Rocco and his Brothers,' a section of 'Bocaccio '70,' 'Bellissima' (which I missed), and that fascinating film, 'White Nights.'

Now, we have 'The Leopard' (at the Gary theatre), a Grand Prix winner at Cannes, a film widely praised, where, presumably, Visconti expresses the views on history which caused the censorship of 'Senso' by the Italian government. The film, however, is shown in a mutilated, badly dubbed version, which the distributors are attempting to sell as a spectacular, which of course it is not. There is no action and very little plot, the interest being focussed on the development of feelings, of attitudes, in a changing world. The distributors claim to have removed scenes which would be incomprehensible to viewers not versed in Italian history. Not having seen the film in its entirety, I can only quote Ian Cameron's comments in the British magazine 'The Spectator': "... the scenes which are not 'essential to the plot' are crucial to the meaning ... it will be every critic's duty to tell his public that the masterpiece, which they would be paying to see, has been degraded to a series of pretty but meaningless scenes."

As I saw it, 'The Leopard' is a film magnificent in its visual beauty, in its use of decor to express the spirit of an age of change.

The final ball sequence is as close to a masterpiece as anything I have seen from Visconti, triumphantly expressing the state of mind of the proud Prince of Salina (Burt Lancaster, in the performance of his life), and the nature of the world around him. The first half of the film, however, lacks the unity of development it should have had, and the character of the prince comes through only in the second half. Whether the faults in the sketchy first part, which makes it tedious and irritating at times, were in the original version or not, I cannot tell, but Visconti is to blame in any case for the overacting of some of the characters.

Ingmar Bergman, a lesser director than Visconti, has, on the other hand, had most of his works, good and bad, shown in this country. In his best works ('Wild Strawberries,' 'Smiles of a Summer Night,' 'The Naked Night,' Bergman displayed an interesting visual style, an outstanding ability for the direction of actors, and a keen dramatic intuition, all the more notable since it was often

put to express philosophical worries.

In 'The Virgin Spring' (at LSC Contemporary Series), he handles a theme one would have thought compelling in a strangely cold fashion. One gathers he is trying to express his theological worries, but this film, unlike 'The Seventh Seal, is not very impressive. 'The Virgin Spring' is technically polished to a higher degree than any of his previous films, and the sequence of the father's revenge is almost as effective as the best of his previous work. Unfortunately, one has the nagging suspicion that it was intended to work at a higher, more 'intellectual' level than it does.

FILMS TO AVOID: 'The Ladder of St. Paul,' 'Toys in the Attic,' 'The Wrong Arm of the Law,' 'Strangers When We Meet,' 'The Thrill of it All,' 'The Balcony,' 'Battle of the Sexes,' 'The Lion,' 'Nine Hours to Rama.'

FILMS TO SEE: 'This Sporting Life,' 'Rock-a-Bye, Baby,' 'West Side Story,' 'The Virgin Spring,' 'Splendor in the Grass,' 'Lawrence of Arabia.'

FILMS NOT TO MISS: 'The Leopard.'

Kresge Organ Series to begin this evening with British organist

Geraint Jones, British organist and conductor, will give the opening concert in the 1963-64 Organ Series tonight in Kresge Auditorium at 8:30.

The program will be:

- Prelude and Fugue in F-sharp minor Dietrich Buxtehude
- Two Noels Louis-Claude Daquin
- Prelude and Fugue in B minor J. S. Bach
- Variations on La Folia Bernardo Pasquini
- Allegro Jao de Sousa Carvatho
- Variations on La Folia Girolamo Frescobaldi
- Sonata for a trumpet stop Jose Ledon
- Adagio and Allegro in F minor Mozart
- Variations on a theme of Bach 'Wenen, Elagen, Sorgen, Zagen, Liszt

Tickets are \$1.50 at the Kresge Box Office. Series tickets are still available at \$4.00.

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South's tradition decays

By Joe Lambert

The Hot Nuts, a folk singing group of great renown throughout the South, appeared at Delta Kappa Epsilon fraternity last Saturday night. A large and very enthusiastic crowd was on hand for the show, a four-hour masterpiece of mildly bawdy songs interspersed with old favorite melodies.

Despite the reputation of this group (it is banned in many colleges), the entire atmosphere of the evening digressed from the old Southern tradition and was somewhat similar to Symphony Hall on Benefit night. Perhaps the

plethora of blue-suited guardians of the peace which was on hand contributed to the wholesome atmosphere of the production.

Nevertheless, the Hot Nuts are beyond doubt a fine band capable of a superb performance. I heartily endorse the group and would like to see them in the Institute community again.

THE HIGHWAYMEN

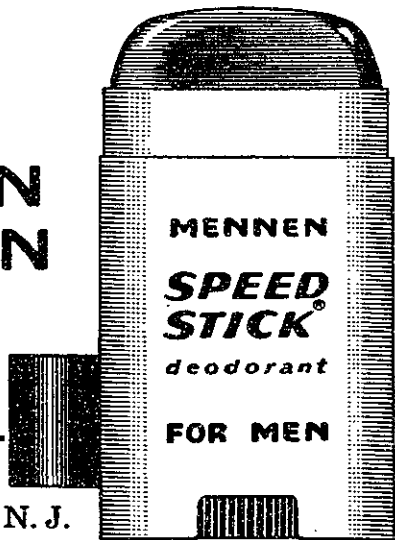
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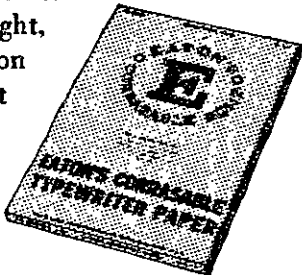
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October 25
6:30, 9:00 P.M.
Room 10-250
60c

Entertainment Series

"Carousel"

Saturday Evening
October 26
5:15, 7:30, 9:45 P.M.
Serial at 5:00, Room 10-250
35c

Classic Series

"Fragment of An Empire"

Sunday Evening
October 27
6:30, 9:00 P.M.
Room 10-250
Admission by membership ticket only

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Creditable performances at concert

By Alan Ricketts

Baton Society
The Combined Musical Clubs Concert, presented at Kresge Auditorium last Saturday evening, was an outstanding introduction to student music at MIT. Opening the program was Gordon Jacob's *Music for a Festival*, a work which combined the Concert conducted by John Corley and the Brass Choir conducted

Combined Musical Clubs: Brass Choir, Willis E. Traphagan conducting; Concert Band, John Corley conducting; the Technicians, Herb Pomeroy directing; Symphony Orchestra, John Corley conducting; Glee Club, Klaus Liepmann conducting; Wheelock College Glee Club.

PROGRAM
Brass Choir
and Concert Band
Music for a Festival Gordon Jacob
The Technicians
Blues Around the Block
A Song for Someone Bob Freedman
Take the 'A' Train Dick Wright
And We Listened to Him Arif Mardin, Arr.
Symphony Orchestra
Symphony No. 1 in E Minor Aram Khatchaturian
Glee Club
Brothers, Sing On! Edvard Grieg
Der Herr Segne Euch J. S. Bach
Glee Club
and Symphony Orchestra
the 150th Psalm Cesar Franck
Wheelock College Glee Club
MIT Glee Club
and Symphony Orchestra
Hallelujah! from 'The Messiah' Handel

by Willis Traphagan. The Band turned out a superb performance. This reviewer has only praise for the group and for Mr. Corley.

All sections consistently played on pitch with smooth transitions and few exposed passages. Seldom was there a time when one could criticize the quality of musicianship evident in their interpretation and playing ability.

The Bass Choir, under its new director, had a freshness of presentation and spirit previously unheard at Kresge. Toward the conclusion of the work, however, their inter-action did slip, especially in the upper brass, as they apparently began to tire.

The Technicians, the MIT concert jazz band, playing four up tempo swing arrangements by several well-known composers, complete the first half of the program. The two soloists featured in this part of the program were obviously good musicians but lacked the projection necessary to hold their parts of the several numbers together. Over all the sax section was in tune while the brass had some intonation and clarity problems.

The Symphony Orchestra played the first movement from Khatchaturian's Symphony No. 1. The life and expression which the orchestra brought forth in its performance of the work were outstanding. Intonation was never a problem in any section. There were a few instances in which a hesitancy in entrances was noticeable, but in most cases this problem did not affect the generally smooth transition pas-

sages. On November 2, the entire symphony will be presented at Kresge. It should be worth attending.

The Glee Club opened the vocal portion of the program with a lusty rendition of Grieg's "Choral Salutation," *Brothers Sing On!* The Glee Club displayed a fine choral sound in its capella presentation of the work. In the succeeding works, the group was often masked by the orchestra and the Kresge organ.

Aside from a noticeable scarcity of tenors, the Glee Club's performances of the excerpt from Bach's *Wedding Cantata* and of Franck's *150 Psalm* were done with sensitivity and consistent musicianship.

Joined by the orchestra and the Wheelock College Glee Club, the Glee Club closed the evening with a performance of Handel's from *The Messiah*. A xzfififfi

immortal chorus, *Hallelujah!* from *The Messiah*. A hesitation by the women to appear on stage prompted Professor Liepmann to begin without them. After a 10-bar "duet" by the Glee Club and orchestra, he stopped the performance and the ladies were finally persuaded to enter.

The work was done with precision and with little of the bombastic orchestration and dynamics added to the work in recent years. The orchestra and both glee clubs are to be commended for their thoroughly creditable performances in this concluding section of the program.

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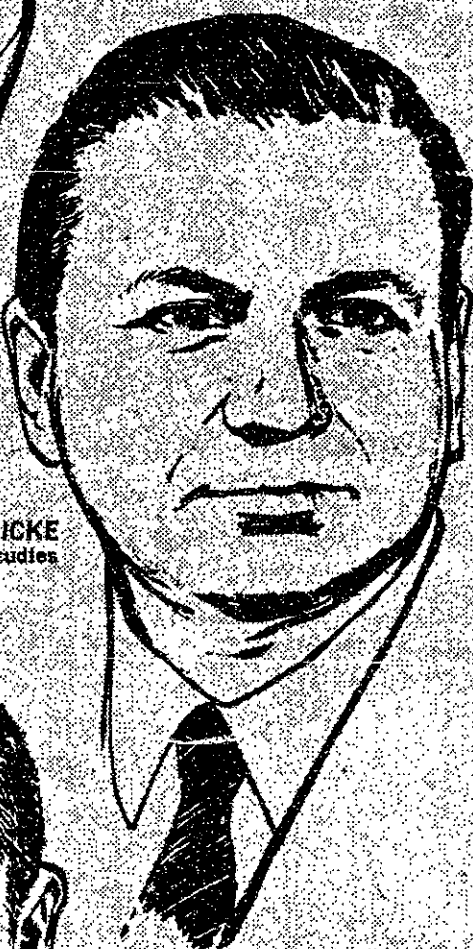
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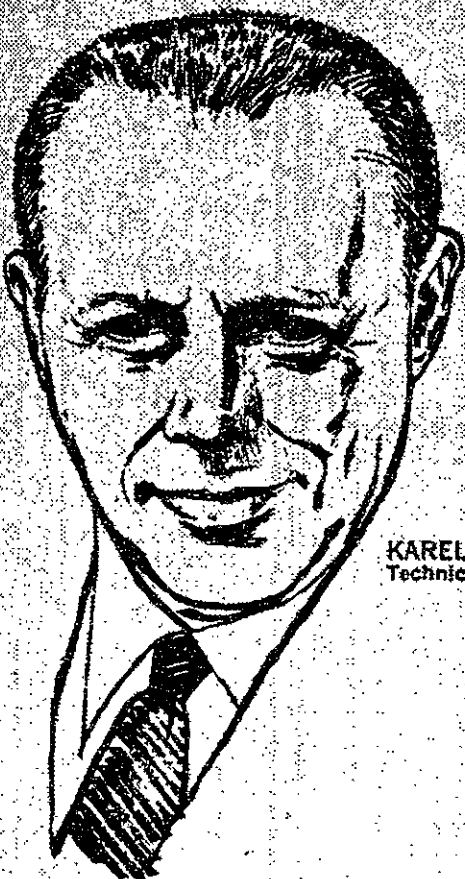
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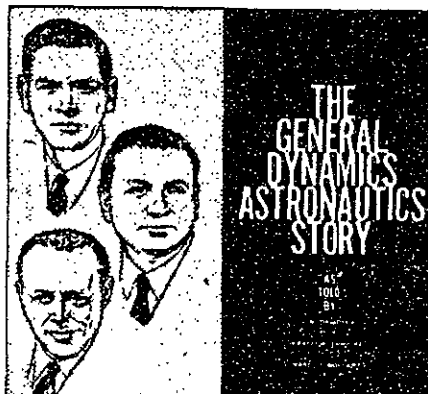
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Orchestra to give Armenian music

A concert of Armenian music will be presented by the Komitas Choral Society of Boston and the Symphony Orchestra at Kresge Auditorium November 2 at 8:30.

The program will be sponsored by the Armenian Club, which was

reorganized last year. The Komitas Choral Society is an Armenian group of seventy members that was organized ten years ago.

Rouben Gregorian, Persian born violinist and faculty member of the Boston Conservatory of Music will conduct with John Corley, Assistant Director of Music.

The program includes Khachaturian's Symphony No. 1 in E minor, a work influenced by Armenian musical idioms. 'Hayr Mer,' originally a pagan Armenian chant performed during ancient fire-rites and adapted about 301 A.D. to suit the Christian Lord's Prayer.

Other pieces will be: Mosy's An'a from opera 'Anoush' A. Tigranian; Cantata for Youth K. Zakanian; My Song K. Alemshah; Bravos of Sipan Komitas Vartapod; Ay Vart (Lovely Rose) A. Spendianian; Rouben Gregorian; Nocturne Rouben Gregorian. Tickets are \$1.50 and \$2.50 in the lobby of Building 10.

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Making the Scene

THIS WEEK MUSIC
Kresge Organ Series — Geriant Jones, Kresge Auditorium, Oct. 23, 8:30; \$1.60
Instrumental and Vocal Music — New England Conservatory, Jordan Hall, Oct. 23, 8:30; Beethoven's Sonata in A major, Brahms' Sonata in G major, for piano and violin
The Highwaymen — Kresge Auditorium, Oct. 26, 8:30; \$2.00, \$2.50
Gardner Museum — American Arts Trio, Oct. 27, 3:00; Beethoven's Trio in E flat major, Donovan's Trio, Brahms' Trio in C major
Hayden Music Library — Oct. 28, 5:00; Sonata for Cello and Piano, Songs, Piano Pieces; free

THEATRE
Tufts Arena Theatre — 'The Barber of Seville,' Beaumarchais, Oct. 24-26, 8:30; \$1.75
Boston University Theatre — 'The Three Sisters,' Anton Chekov, Oct. 24-26, 8:30; \$2.00, \$1.50, \$1.00
Loeb Drama Center — 'The Inspector General,' Nicolai Gogol, Oct. 24-Nov. 2, 8:30, \$1.50, \$2.00
'Soorah' and 'Soorah' — Indian movie, English subtitles, Oct. 25 Kresge Auditorium, 8:00; \$9.99
LSC Contemporary Series — 'The Virgin in Spring,' 10-250, Oct. 25, 6:30, 9:00; 60c. This film by Sweden's Ingmar Bergman is considered to be one of his most important works. It recently won an Academy Award, and is according to Time, "A violently beautiful miracle play."
Hong Kong Opera Troupe — Hu Tropie, Dancer-singer-actors from Hong Kong, Alumnus Hall, Wellesley College, Oct. 25, 8:00
LSC Entertainment Series — 'Carousel,' 10-250, Oct. 26, 5:15, 7:30, 9:45; 35 c. Although a swaggering carnival barker mistreats the shy cotton mill girl he marries, he loves her in his way, and dies trying to provide proper care for their coming baby by hijacking a payroll. A brilliant filming of the musical success by Richard Rodgers and Oscar Hammerstein II. (CinemaScope and Color)
LSC Classic Series — 'Fragment of an Empire,' 10-250, 6:30, 9:00. Through the parable of a man who loses his memory in World War I and

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regains it ten years later in the new world of Soviet Russia, this film dramatizes the social problems and conflicts arising from the imposition of the new order on the old Czarist culture. (USRR, 1929) Also, Land Without Bread

LECTURES
Sir Neville Ashenbrenner — Ambassador of Jamaica to the U.S. International Student Association, Oct. 24, 8:00
Harvard Law School Forum — 'The Future Of the House Un-American Activities Committee,' Representative Willis of Louisiana, Oct. 25
Canterbury Lectures — 'Barth The Humanity of God,' Trinity Church, Oct. 27, 8:00
Ford Hall Forum — Dwight MacDonal, Jordan Hall, Oct. 27, 8:00; Mass Culture: Threat or Promise to America?
C. Northcote Parkinson — Oct. 28, Kresge Auditorium, 8:00.

MISCELLANEOUS
Art Preview — Oct. 25, 8:00-11:00; Oct. 26, 11:00-8:00; Armenian Apostolic Holy Trinity Church, \$1.00
Boston Arts Festival — Rebroadcast, a hoot with Jackie Washington WTBS, Oct. 26, 7:00
Poetry from M.I.T. — X. J. Kennedy, WGBH-FM, 89.7 mc Oct. 27, 7:00
'The Spoken Word' — stories of Franz Kafka read by Lotte Lenya, WTBS, 8:00, Oct. 27
'Switzerland Today' — with talk by John Roberts, Oct. 27, Rindge Auditorium, Cambridge, 4:00; free
Etchings of Ivan Mosea — Community Church Art Center, through Nov. 8, 9-5
'Great Costumes 1550-1950' — Museum of Fine Arts, through Dec. 1, Tuesday 10-10, Wednesday-Saturday 10-5, 1:30-5:30.

NEXT WEEK MUSIC
Chapel Organ Series MIT students, Nov. 3, 4:00; free
'The Worlds of Benny Goodman' — Nov. 2, Donnelly Memorial; works of Brahms and Mozart, jazz
Jakob Elner — Russian pianist, Jordan Hall, Nov. 4
THEATRE
LSC Festival of the Performing Arts — George London with the Festival Concert Orchestra, Room 10-250, 7:00, Oct. 30
New England Conservatory Opera — 'L'Enfant Prodiges' by Claude Debussy and 'The Old Maid and the Thief' by Gian-Carlo Menotti, Oct. 31, Nov. 1, 8:30 the Conservatory's Brown Hall; \$1.00
MISCELLANEOUS
Nathaniel Branden — 'Objectivism: The Philosophy of Ayn Rand,' Nov. 1, Hotel Madison, 7:30; \$3.50
'Poetry from MIT' — WGBH-FM 89.7 mc, Nov. 3, 7:00, Richard Wilbur
Boston Arts Festival Rebroadcast — Theodore Bikel, Nov. 2, 7:00, WTBS
'The Spoken Word' — T. S. Eliot reading his own poetry, WTBS, Nov. 3, 8:00.

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Folklore Concerts to begin Friday

The Folklore Concert Series for 1963-64 will include ten programs. Mahalia Jackson will open the series this Friday at the Donnelly Memorial Theater. Bob Dylan will follow on November 2, and the Clancy Brothers and Tommy Makem at Symphony Hall November 8.

Tickets are \$2.20, \$2.80, \$3.25 and \$4.00. Series tickets are also available.

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Christian Science lecture

7:30 P.M., Friday, October 25
Hayden Library Lounge, 14 E 31C
Christian Science Organization
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Facilities of other libraries provide information for Tech

By June Paradise
Sometime in the experience of each Tech student, he will undoubtedly encounter a subject which is not covered by our libraries. This fact is quite understandable in the light of the variety of interests of the diverse MIT student body. The following article is offered as a guide to students who wish to avail themselves of the facilities of other libraries, which are situated very close to MIT.

The Harvard Library, which has a collection of six million volumes and many other sources, is the largest library in the area. In fact, Harvard Library is the largest great privately supported library in the world. There are eighty physically

separate libraries within the Harvard Library. The main collection of books is housed in the Harry Elkins Widener Memorial Building. Procurement from one of the various libraries in the Harvard Library could be a problem. The only people who are officially able to take out books from the Harvard Libraries are Harvard and Radcliffe students and professors, as well as visiting scientists. However, this fact should not discourage the ingenuitive MIT student. One could always borrow a card from a friend from Harvard or Radcliffe.

Also within a few miles of MIT, located in Copley Square, is the Boston Public Library, (BPL). The BPL has about 2,200,000 books in its collection, as well as other resources. If one lives in Boston, there is no charge for a card. However, for a non-resident of Boston, there is a charge of five dollars per year for a card.

Within the city limits of Cambridge, there is the Cambridge Library. This library's collection consists of about 24,000 books. Anyone residing in Cambridge can obtain a card there without paying a fee. However there is a charge if one is not a resident of Cambridge.

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November 4, 1963

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THE TECH COOP

Draper first speaker at Technology Forum

The first in a series of faculty talks entitled "The Technology Forum" will be held in the Kresge Little Theater from Monday, October 28, from 4:00 to 5:00 pm. Dr. Charles S. Draper, head of the Department of Aeronautics and Astronautics will speak.

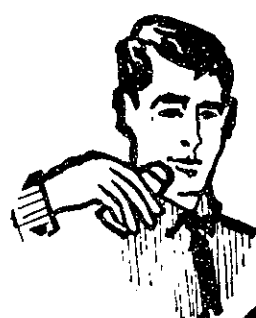
According to Leonard Levin, publicity chairman, the purpose of the Technology Forum is "to present the leaders in various fields of science and engineering and to make clear to the audience the fascinating developments taking place at the very frontiers of these fields."

Dr. Draper is world-famous for his work on inertial guidance systems for aircraft, ships, and missiles. He is the director of the Instrumentation Laboratory which did the initial development work on guidance systems for the Polaris missile and the Apollo moonship.

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SHULTON



Nominations for Fellowships due

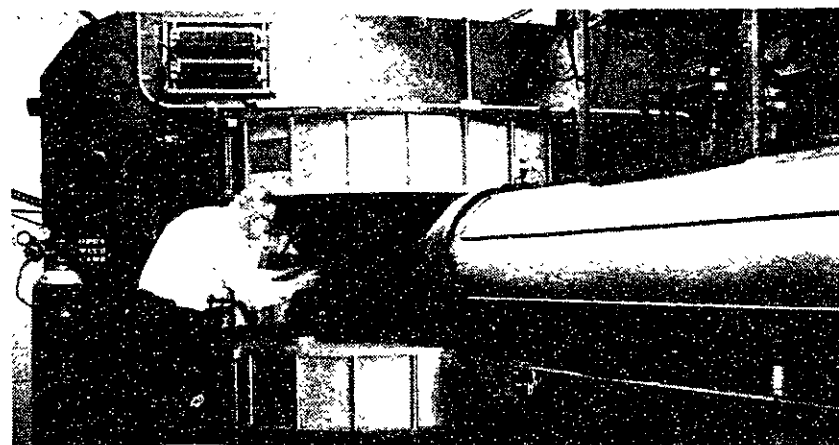
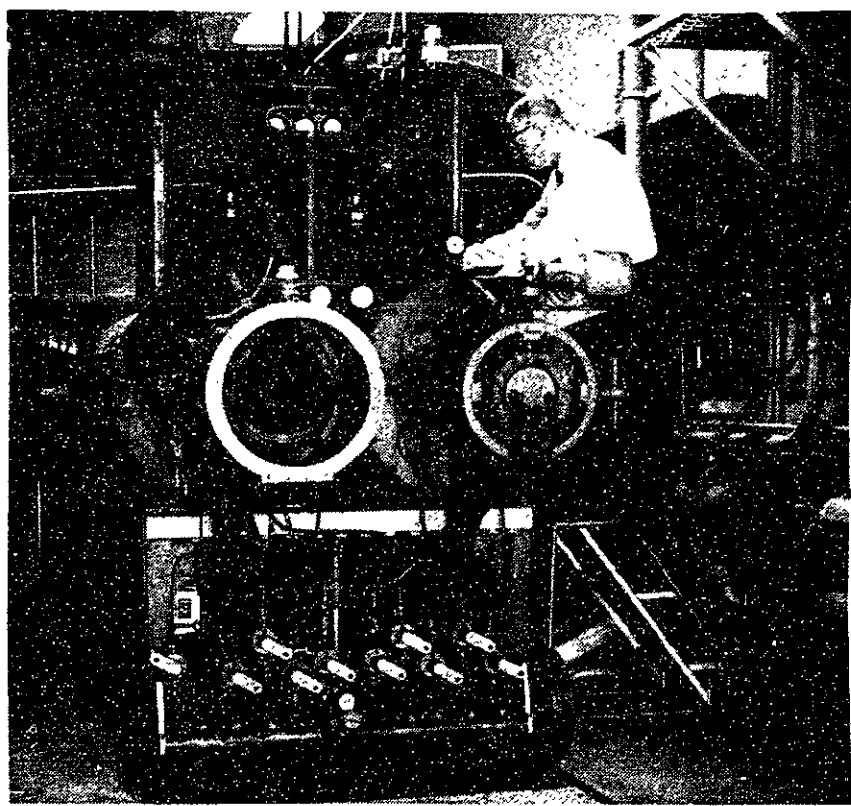
Nominations of MIT seniors for Woodrow Wilson Fellowships must be submitted to Dean Wilma Kirby-Miller of Radcliffe College, the Regional Chairman, by October 31. Faculty members are urged to submit recommendations to Professor B. Alden Thresher, Director of Admissions Emeritus, MIT's regional representative. Prof. Thresher will forward recommendations to Dean Kirby-Miller.

According to Professor Thresher, nine MIT seniors have been named Fellows for each of the past three years. About thirty or forty nominations are entered from MIT annually.

Fellows are selected with regard to their interest in, and potential for, college teaching; they are not further obligated to the Fellowship Foundation.

The Foundation originated on a small scale, awarding about a half-dozen fellowships per year.

Cyclotron change costs \$583,000



Earle White, chief operator of MIT's cyclotron, inspects the improvements made as the result of a \$583,000 modernization program. White has been with the cyclotron since its birth in the early 1940's.

(Continued from Page 1)

particles are measured by clocking their speed.

The finer focusing now available will permit researchers to obtain more detailed and specific results from the experiments. The new beam control will achieve this finer focusing by narrowing down the range of particle energies that are distributed over a cross section of the beam.

The cyclotron was originally built under a grant from the John

and Mary Markle Foundation. A team headed by Professor Evans and Professor M. Stanley Livingston designed the facility.

The Laboratory of Nuclear Science, directed by Professor Peter T. Demos, has other high-energy research facilities, including a 20-Mev electron linear accelerator and a 10-Mev Van de Graaff positive ion accelerator.

PMD brothers will be honored

Members of Phi Mu Delta fraternity who helped evacuate a neighboring apartment house during a fire last spring will be honored this Saturday with a party.

According to Mrs. E. Ciolina, owner of the apartment house, she is giving the party as an expression of her gratitude for the assistance she received from the fraternity.

"I appreciate their spontaneous willingness to help me. It was a sign of true friendship," said Mrs. Ciolina.

On April 5, 1963 Mrs. Ciolina's apartment house, located at 462 Beacon Street, caught fire at 5:00 am. An alarm sounded at the PMD house at 460 Beacon Street at 5:30 am. The members of the house helped evacuate the apartment house and brought the residents, mostly elderly women, to their house.

In the process of putting out the fire, the building was extensively damaged. According to the fire commissioners, 80% of the property was damaged.

Members of PMD helped Mrs. Ciolina clean the apartment house afterwards and make it suitable for work by contractors.

An electrical fire in the walls at 462 Beacon Street was cited as the cause of the fire.

Young Republicans will meet Tuesday

The first meeting this term of the MIT Young Republicans will be Tuesday, October 29 at 4:15 pm in Rm. 5-133. Professor John S. Saloma, representing the Council for Constitutional Reform in Massachusetts, is guest speaker.

The other major items of business will be reconsideration of the club's constitution and discussion of activities for the year.

For further information, students may contact Charles Daney or Jim Puls at x3207 or 247-8602.

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Cherchez la Femme:

Mixers fade away, but never die

By Dave Trevvett

This may well be the last column of the season, so we're including our complete list of coming attractions:

Friday, Oct. 25

Bextley Hall, Halloween Dance, in the Baker House dining hall; 8-12 pm, admission \$1 for men. Bextley is experimenting with a new technique in getting girls: Printed invitations were sent to the social chairmen of various dorms at Simmons, Radcliffe, and BU, to be distributed to the girls. Although not required for admission, the invitations should increase the attractiveness of the dance to the girls. If it proves successful, the policy will be expanded in the future.

Catherine Laboure School of Nursing, mixer in Cardinal Cushing Auditorium, Carney Hospital, 2100 Dorchester St., Boston; sponsored by Junior Class; \$7.50 admission, 8-12 pm; Ken Reeves band; refreshments. Katherine Gibbs School, mixer at Zero Marlboro St. (corner of Marlboro and Arlington); 8:30-12 pm, no charge.

Marlboro House, BU, "Take Five, and All That Jazz," a mixer; starts about 7:30-8 pm, going until midnight; tie & jacket, refreshments; to get in, either have invitation (they should be available at TCA in Walker Memorial today or tomorrow), or know a girl in the house.

The Towers, BU, mixer, 8-12 pm, invitational (invitations have been sent to a number of living groups on campus; check with your social chairman).

Simmons, Sq. Dance, in Alumnae Hall; for invitations, call LO 6-9094.

Friday, Nov. 1

Brooke Hall, BU, a folksing mixer; no charge, 8-12 pm; there'll be one room with folksinging, and another with dancing.

Shelton Hall, BU; this one is only

tentative, as is the one for Nov. 8.

Babcock St. (West Campus), BU, masquerade party, 8-12 pm, invitational.

Young Republicans mixer and sing-along party; in White Hall, Lesley College; 8-12 pm, admission \$1; sponsored by college caucus of Mass. YRC's; about 20 colleges participating.

Saturday, Nov. 2

Harvard Graduate Student Association, 8-12 pm, at Harkness Commons, Harvard U.; George Graham Orchestra; ladies free, men \$1 or show Grad School activity card.

In addition, there should be a mixer at Tilton Hall, Jackson, the weekend following Armistice Day.

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HELP WANTED: Male twins, identical or fraternal, for 5-week well-paid psychophysiological research project. Please call Dr. Benjamin Murawski, at Peter Bent Brigham Hospital, BE 2-8000, Ext. 298 or 320.

FOR SALE: Two tickets to Mahalia Jackson for Friday night at Donnelly Memorial. Cheap. Bill Wilson, x3785, CO 6-2968.

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On Campus Interviews
October 29, 1963

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Donaldson scores twice

Ruggers outplay Brown for 3rd win

The MIT Rugby team extended its unbeaten record to 3-0 with an 8-3 victory over Brown last Saturday. The ruggers had previously beaten the New York Rugby Club and Harvard Business School.

Saturday's match was played in brilliant sunshine against a very energetic Brown 15. Some scrappy play in the opening minutes gave Brown a successful try from a line-out near the MIT line. After this, MIT recovered and won the majority of scrums, often pushing the Brown scrum right off the ball. The Techmen soon evened the score on a penalty kick by Bob Donaldson. Although MIT had held most of the territorial advantage, half-time came with the count level.

Donaldson Tally Decisive

The MIT forwards dominated play after the intermission, and Tech constantly threatened on long, high kicks upfield. Tim

Guest followed up one of these kicks, and was tackled by the Brown fullback just short of the line. Bob Donaldson, one of the several players upfield in his support, picked up the ball to go over for a try. Ed Pollard made the conversion for an 8-3 MIT lead. The MIT offense

threatened continuously through the rest of the game but a stubborn Brown defense kept the tally at 8-3.

Informal Season Opens

The ruggers had started their season October 5 with a 3-0 win over a New York Rugby squad. Play in this game was sloppy as the MIT team had just started training, and the New York squad was composed of mostly second-stringers.

After this rather informal season opener, the rugby men next met Harvard Business School. Despite the fact that they had just organized their team, the Business School held MIT to a 3-3 deadlock through the first half. Then, with the wind behind them in the second half, MIT swept to a 21-3 win.

How They Did

Soccer

MIT 2 — Tufts 0
MIT 3 — Amherst 1
Harvard (F) 4 — MIT (F) 0

Cross Country

MIT 21 — BU 49 — Wesleyan 62
UNH 28 — Wesleyan 47 — MIT 59
MIT (F) defeat BU
Wesleyan (F) 26 MIT (F) 46 — UNH (F) 54

Sailing

MIT second in Wood regatta
MIT (F) second at Brown

Golf

MIT second in Greater Boston meet

Rifle

Northeastern 1301 — MIT 1241

Shooters miss mark

too often against NU

Tech's rifle team met its roughest competitor, Northeastern University, in the first match of the season Friday night and was defeated 1301-1241.

Tech was hampered by a late start with new weapons and the temporary loss of two team members.

Intramural harriers to run November 5

The Intramural Council will sponsor the second annual IM cross country meet Tuesday, November 5. Each team will consist of five men, and points will be awarded according to the finish position. The team with the lowest number of points will win.

The course will consist of two laps around the athletic fields—about a mile and three quarters.

THE BELL TELEPHONE COMPANIES SALUTE: LEO BERARD

Leo Berard (B.S.M.E., 1957) joined New England Telephone in the fall of 1960 and, within months, was put in charge of an important study to determine the feasibility of large-scale buried cable operations in Rhode Island.

Developing standards and practices where few previously existed, Leo presented his final reports before top-level management, engineering groups, municipal planners, and Chambers of Commerce throughout Rhode Island.

His initiative in carrying out the study and his ability to capably represent his company are just two of the traits that earned Leo his promotion to Engineer in the Plant Extension Department.

Leo Berard, like many young engineers, is impatient to make things happen for his company and himself. There are few places where such restlessness is more welcomed or rewarded than in the fast-growing telephone business.



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Booters Defeat Tufts, Amherst

The Tech soccermen reeled off victories over Tufts and Amherst this past week to bring their season record to three wins, two losses, and one tie. After dropping their first two contests, the booters have started to roll in the last two weeks.

Tech Whitewashes Tufts
MIT scored an early goal to

SC noses out Delta Psi by one point for first in fall sailing regatta

Sigma Chi edged Delta Psi by one point to finish first with 69 points in MIT's fall IM sailing regatta, held October 14-17. Delta Psi was leading until the last day, but ran into hard luck when their A division skipper was disqualified for a false start in the final race. Sigma Chi took two first places Friday to win the regatta.

Phi Gamma Delta, winner of the regatta for the past three years, finished fourth with 51 points. They failed to enter several races, but showed up well in those they did enter. Senior House finished third, entering all races, but sailing inconsistently. Baker House sailed well, but were protested out on two of their better races.

Unfortunately, the first three days of the regularly scheduled regatta was plagued with light winds, making a fourth day of racing necessary. Fortunately the winds were moderate on the fourth day and those who raced that day enjoyed respectable racing weather.

The Standings	
1 Sigma Chi	69
2 Delta Psi	68
3 Lambda Chi Alpha	56
4 Phi Gamma Delta	51
5 Senior House	49
6 Alpha Epsilon Pi B	49
7 Baker House	46
8 Alpha Epsilon Pi A	41
9 Burton House	8

On Deck

On Deck

Today, October 23,
Cross Country — Boston College, Away, 4:00 pm
Cross Country (F) — Boston College, Away, 4:30 pm
Saturday, October 26
Soccer — Springfield, Away, 11:30 am
Cross Country — Coast Guard, Away, 2:30 pm
Cross Country (F) — Coast Guard, Away, 2:30 pm
Sailing
Sailing — White Trophy at Coast Guard (continues through Sunday, Oct. 27)
Sailing (F) — Priddy Trophy at MIT — (continues through Sunday, Oct. 27)

Tuesday, October 29

Cross Country — Northeastern, Tufts, Home, 4:00 pm
Cross Country (F) — Northeastern, Tufts, Home, 4:30 pm

Seek New England crown

Skippers second in Wood competition

The Tech skippers followed up last week's Oberg Trophy victory with a second place among five teams in competition for the Jack Wood Trophy on the Charles, October 13. The sailors thus entered the qualifying rounds of the New England Intercollegiate Sailing Association championship this past weekend with a strong fall record behind them, and good prospects for this important event.

Thirteen teams are entered in the NEISA meet, of which eight will reach the semi-finals and four will make the finals at MIT November 9. The qualifying rounds took place at MIT and at New London, Connecticut, with the Techmen sailing at New London. Other hopefuls for the championship include Bowdoin, Dartmouth, Harvard, Williams, Rhode Island Design, Babson, BC, BU, Brown, Rhode Island and Yale.

The qualifying rounds were marked by virtually windless weather unfortunately because brisk weather is needed for a true test of boating skills. The results of the qualifications will be published in next week's The Tech.

open the Tufts game last Thursday, and held off a determined Tufts attack to maintain a 1-0 lead through the first quarter. The Engineers dominated play throughout the second quarter, but missed their scoring opportunities, leaving the halftime tally at 1-0.

Play was even during the third period, but MIT took the offensive once more in the final quarter and stormed the Tufts goal. After several attempts, the Engineers scored for a 2-0 margin, and the Tech defense held on to preserve the victory.

2nd Half Goals Top Amherst

Play seesawed from one end of the field to the other during the first period of the Amherst game. But Amherst fouled during a Tech attack, and Captain Bob Mehrabian made the penalty kick to give MIT the lead. Amherst tallied during the second quarter to leave the teams deadlocked at halftime.

MIT pressed hard and scored soon after the halftime break,



Tech's Giovanni Emo '65 leads Tufts' Bob Lehrman in chase for ball in Thursday's 2-0 MIT soccer triumph.

—Photo by George Jelatis

then held off an Amherst attack through the rest of the third stanza. Amherst took the offensive again in the fourth quarter, but still failed to find the goal. MIT clinched a 3-1 victory with another goal in the final minutes.

The Techmen seek to continue their winning ways with road contests against Coast Guard and Springfield next week.

Delts, Fijis, Phi Delts roll

by Cliff Weinstein

A last-minute Delta Tau Delta comeback and strong shutout triumphs by Phi Gamma Delta and Phi Delta Theta highlighted IM football action this past weekend, as the Delts, the Fijis, and the Phi Delts joined defending champ Sigma Alpha Epsilon in the A division semifinals.

The Delta Tau Delta—Theta Chi playoff for the League IV title was a seesaw donnybrook which saw the Delts overcome a 20-7 deficit with just six minutes to play. The team traded touchdowns in the first, as Delt Jim Larsen '65 opened scoring on a 40-yard pass reception from Bill Dreiss '64, and Theta Chi's Pete Staebcker '64 gathered in a long scoring aerial from Tom Franzel '66. Theta Chi broke the 7-7 deadlock soon after the intermission on a short pass play, and extended their lead to 20-7 when Dennis Hinrichs '64 caught a TD pass with six minutes left in the game.

Safety Decides

But a few plays later, the Delts stormed back as Larsen scored on another long pass. Delta Tau Delta kicked off and held on down to regain possession. With 1½ minutes left, Dreiss hit Jack Downie '64 with a 30-yard paydirt toss, and then connected again with Downie for the tying PAT. The Delts kicked off, and the Thets tried to run out the clock. A couple of losses left Theta Chi on their own three with 15 seconds left. TAP quarterback Franzel took the snap from center, and was chased into the end zone by the Delt line. Trying to avoid this rush, he inadvertently stepped on the end line for an auto-



Bill Dreiss '64 carries for Delta Tau Delta as John Schwanbeck '66 (ripped jersey) blocks. Delts beat Theta Chi 22-20 in grid contest Saturday.

—Photo by John Torode

matic safety, giving the DTD a 22-20 win.

The Fijis scored all their points in the first half, then held on to shutout Beta Theta Pi 12-0 in a replay of last week's overtime tilt. Roy Wyttenbach '65 connected with Jack Moter '64 for both touchdowns. PGD meets DTD in a semifinal contest Saturday at 1:30.

The Phi Delts clinched the League III title by defeating Alpha Epsilon Pi 20-0. This was a hard-point passing of PDT quarterback Tom Busch '66 provided the edge. Busch hit Dennis Sivers '66 in the third quarter for a 13-0 lead, then connected with Dick Lipos '66 for the final tally. PDT meets Sigma Alpha Epsilon Saturday at 1:30.

Brown stays unbeaten

Distance runners top BU, fall to UNH, Wesleyan

By Dave Kress

Tech's cross-country squad easily defeated Boston University and Brandeis in a meet run over the four-mile Franklin Park course last Tuesday. The score was MIT 21, BU 49, and Wesleyan 62.

Brown First Again

Sumner Brown '66 scored his third first and set the MIT record for the course of 19:53, making this his second record this year. The rest of the top five scorers for MIT were Roger Butler '65, 3rd at 21:10; Rob Wesson '66, 4th in 21:56; Bill Purves '65, 6th in 22:23; and Dick McMullin '65, 7th in 22:37.

UNH Wins Triangular Meet

However, the meet Saturday at Franklin Park was a different story as MIT was third behind New Hampshire and Wesleyan by a score of New Hampshire 28, Wesleyan 47, and MIT 59. The losses left the squad with a record of 5-3.

Sumner Brown kept the day from being a complete loss by remaining undefeated with a time of 20:01.5, winning by 19 seconds. Despite the hot weather, most of the rest of the squad ran better times than Tuesday, the top five being Brown; Butler, 6th in 20:47; Wesson, 17th in 21:50; McMullin, 20th in 22:21; and Purves, 23rd in 22:49.

This week the squad will try to get back on the winning track at Boston College Wednesday and Coast Guard Saturday.

RI beats golfers, who take second in Boston meet

Tech's golfers dropped their final meet of the season to the University of Rhode Island, 6½-1½ at the Judith Point Country Club in Rhode Island. After the regular season closed, a Tech seven-man link squad finished second in the Greater Boston Collegiate Meet Monday, October 14.

Pete Lubitz, '65, represented Tech at the Eastern Collegiate Athletic Conference Tournament at Bethpage, Long Island, October 18 and 19, and finished seventh among all scorers.

John Eck, '64, scored Tech's ½ point against Rhode Island when he tied his opponent. Low score for the Engineers was a 79 by Dick Shoemaker, '66.

The Techmen gained a tie for second place with Harvard in the Greater Boston meet. Tech's team score was 630 which consisted of the best five individual scores. Lubitz finished third in the individual competition with a 117 over the 27-hole course.

Lubitz Seventh

In the 18-hole ECAC Tournament, Chip Romano, from Army, was the winner of the individual competition as he set a course record of 68. Lubitz, Tech's only entry, tied for seventh with a 77. Colgate took the tournament with a team score of 311, while Navy was runner-up with 314. The TECH squad did not qualify for the team competition.

Frosh sports

Harriers leave BU far behind

By Charlie Willman

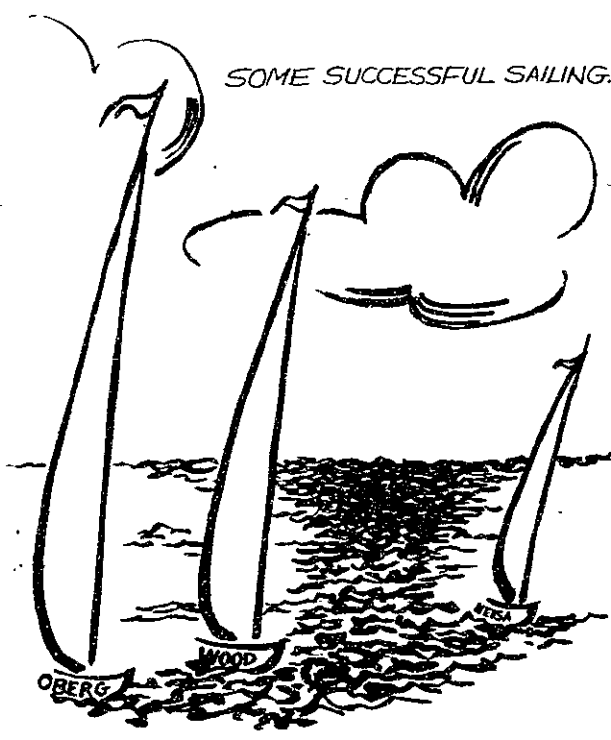
The freshman cross-country team scored a first and a second place last week to continue their fine fall record. In two races run on their home grounds at Franklin Park, the harriers easily defeated Boston University October 15, and then finished second in a triangular meet against New Hampshire and Wesleyan last Saturday.

Techmen Take 7 of 10

In race against BU early last week the frosh swept seven of the top ten spots with a point total of 25. Bill Lange, Bob Karman, Elliott Andrews, Sam Guilbeau, and Don Raab finished 3rd, 4th, 5th, 6th and 7th respectively to lead the Techmen. The BU team had no official team score. Last Saturday, Wesleyan led with 29 points, as MIT finished second with 46, and UNH came in last with 54. Andrews, Lange and Karman led the team once again, as they finished only 27 seconds apart in the 3rd, 5th, and 6th spots. The race, run on a 2.79 mile course, was marked by hot, sluggish weather.

Soccer

The soccermen were shut out in their game against Harvard last Saturday by a score of 4-0. In a match played on Briggs Field, the Harvard front line, playing a short passing game was too much for the Tech defense, despite several good saves by the goalie Avram Markowitz.



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